Millenium®

Manuale utente

User manual

Benutzerhandbuch

Manuel utilisateur

Manual del usuario

5 - 04.2011 Cod. 02963

Corradi

OUTDOOR LIVING SPACE

THE TILTED VERSION MILLENIUM

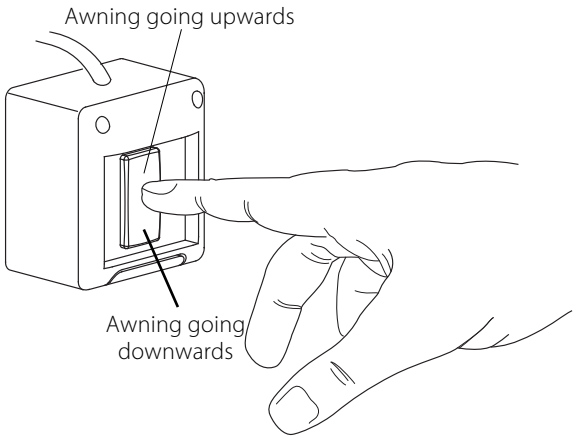
It is designed and manufactured to customer specifications, to protect from the sun and elements, snowfall excluded; MILLENIUM must be fixed to a suitable supporting wall and may be used in winds of up to force 8 on the Beaufort scale as shown in chart 1 (page 30).

THE FLAT VERSION MILLENIUM

It is designed and manufactured to customer specifications, to protect from the sun and elements, snowfall excluded; MILLENIUM must be fixed to a suitable supporting wall and may be used in winds of up to force 6 on the Beaufort scale as shown in chart 1 (page 38).

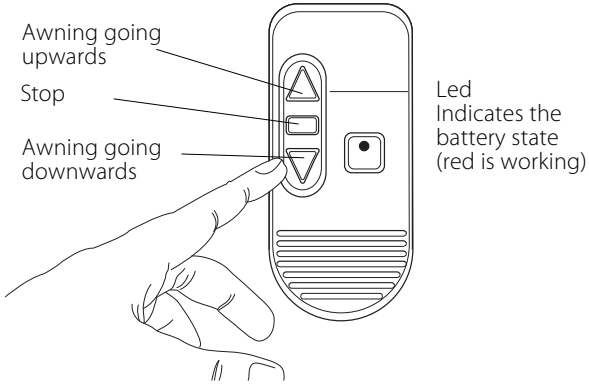
ELECTRIC COMMAND

In case of Millenium with a wall-switch, push the switch in the low area in order to move the awning downwards, push it in the up area to move the awning upwards. Once you release the switch the awning will stop.



RADIOCONTROL

In case of Millenium with a radiocontrol, use the respective switches to move the awning upwards, downwards or to stop it (see fig.).



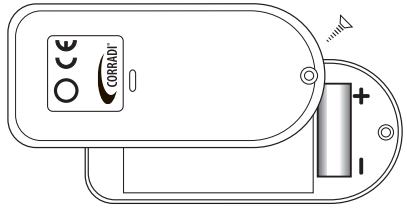
Replacement of the battery

In order to replace the battery remove the screw on the back of the radiocontrol and replace the batteries with a similar model **(alkaline 12 Vdc mod. 23 A).**

Beware not to reverse the polarities.

Beware to use the correct model.

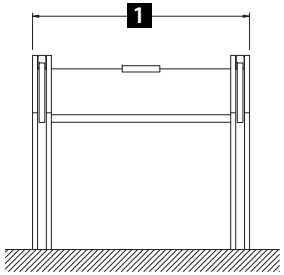
Dispose the used battery appropriately.



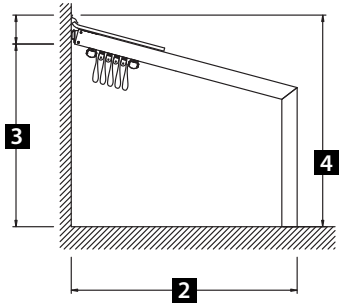
VERSIONS AND MOTORISATIONS

1 **WIDTH**
2 **PROJECTION**
3 **WALL BEAM HEIGHT**
4 **PILLAR**

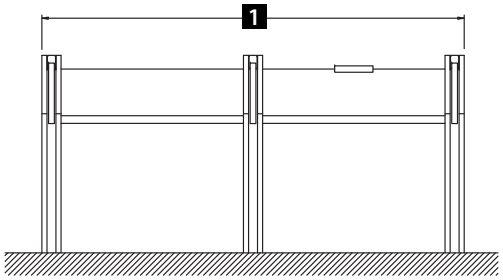
MILLENIUM 2 RUNNERS



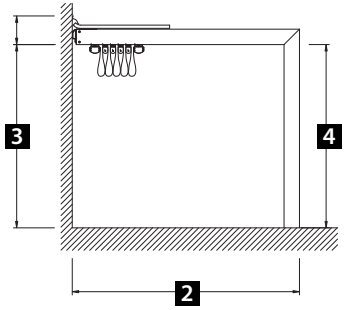
TILTED VERSION MILLENIUM



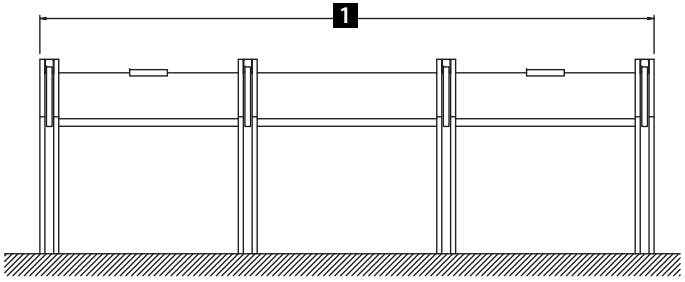
MILLENIUM 3 RUNNERS

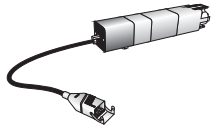


FLAT VERSION MILLENIUM



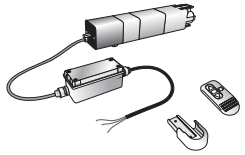
MILLENIUM 4 RUNNERS





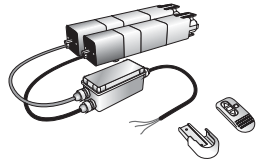
ELECTRIC DRIVE TYPE 1
PLAN motor

220 volt / 218 watt motor reducer complete with limit switch.
Required for 2, 3 or 4 runner awning, flat version, where the awning remains slack, or for the taut, tilted version, with a maximum projection of 350 cm.



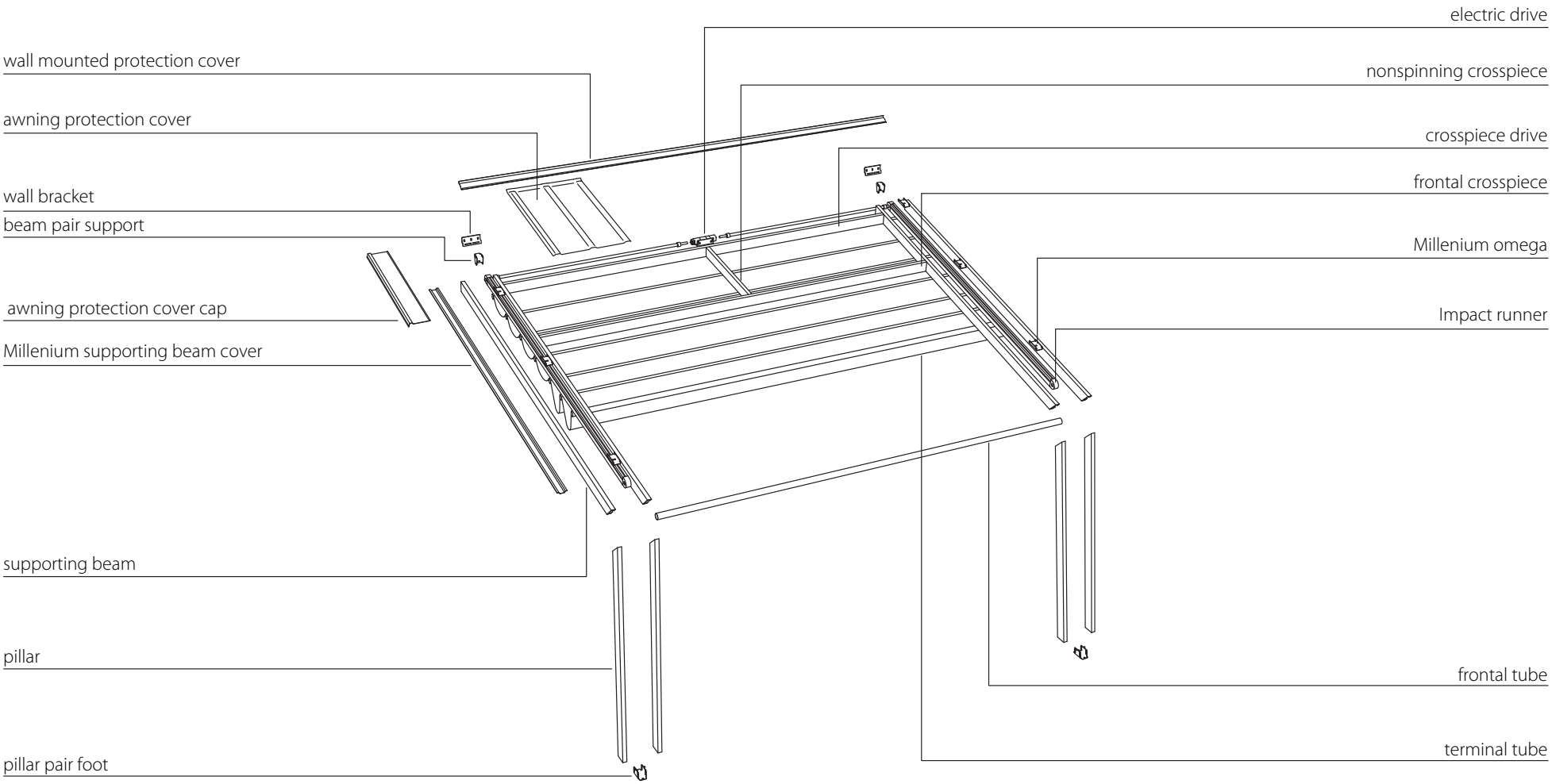
ELECTRIC DRIVE TYPE 2
SLOPE motor
remote computing system exchange MONO

220 volt / 218 watt motor reducer with microchip canvas tension controlled and a radio command (433.92 MHz). Required for a 2 or 3 - runner awning, tilted version, which guarantees constant correct tension despite changes in fabric properties caused by differing environmental circumstances.



ELECTRIC DRIVE TYPE 3
SLOPE motor 1 (command)
PLUS motor 2
remote computing system exchange TANDEM

220 volt / 218 watt + 218 watt motor reducer with a microchip that powers 2 motors and controls the canvas tension, a radio command (433,92 MHz) with 2 channel emitter. Required for a 4 runner awning, tilted version, which guarantees constant correct tension despite changes in fabric properties caused by differing environmental circumstances.



ELECTRIC DRIVE TYPE 1

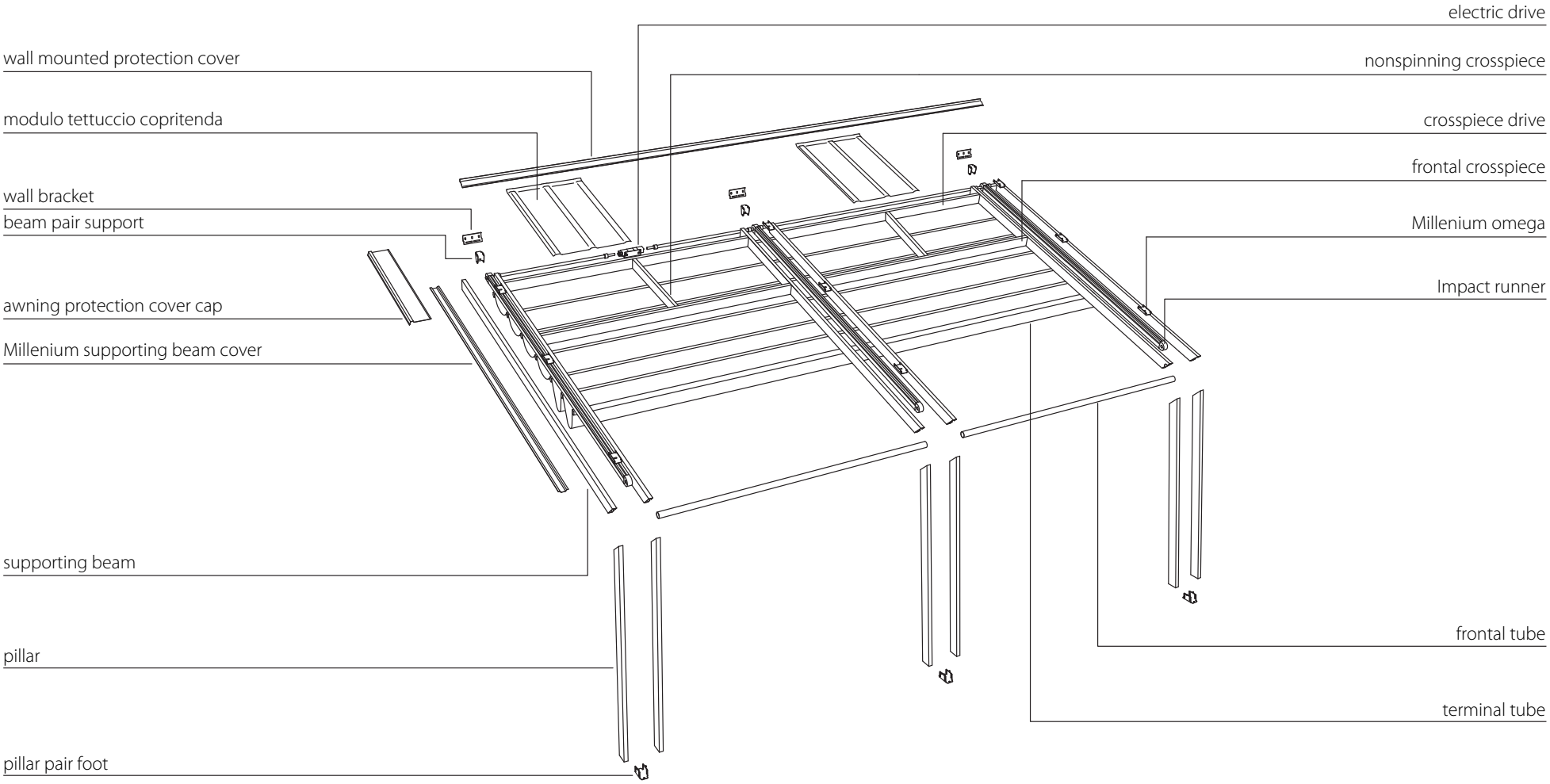
00775-1 PLAN Motor reducer

ELECTRIC DRIVE TYPE 2

00775-2 SLOPE Motor reducer

00749 MONO Exchange

MILLENIUM 3 RUNNERS



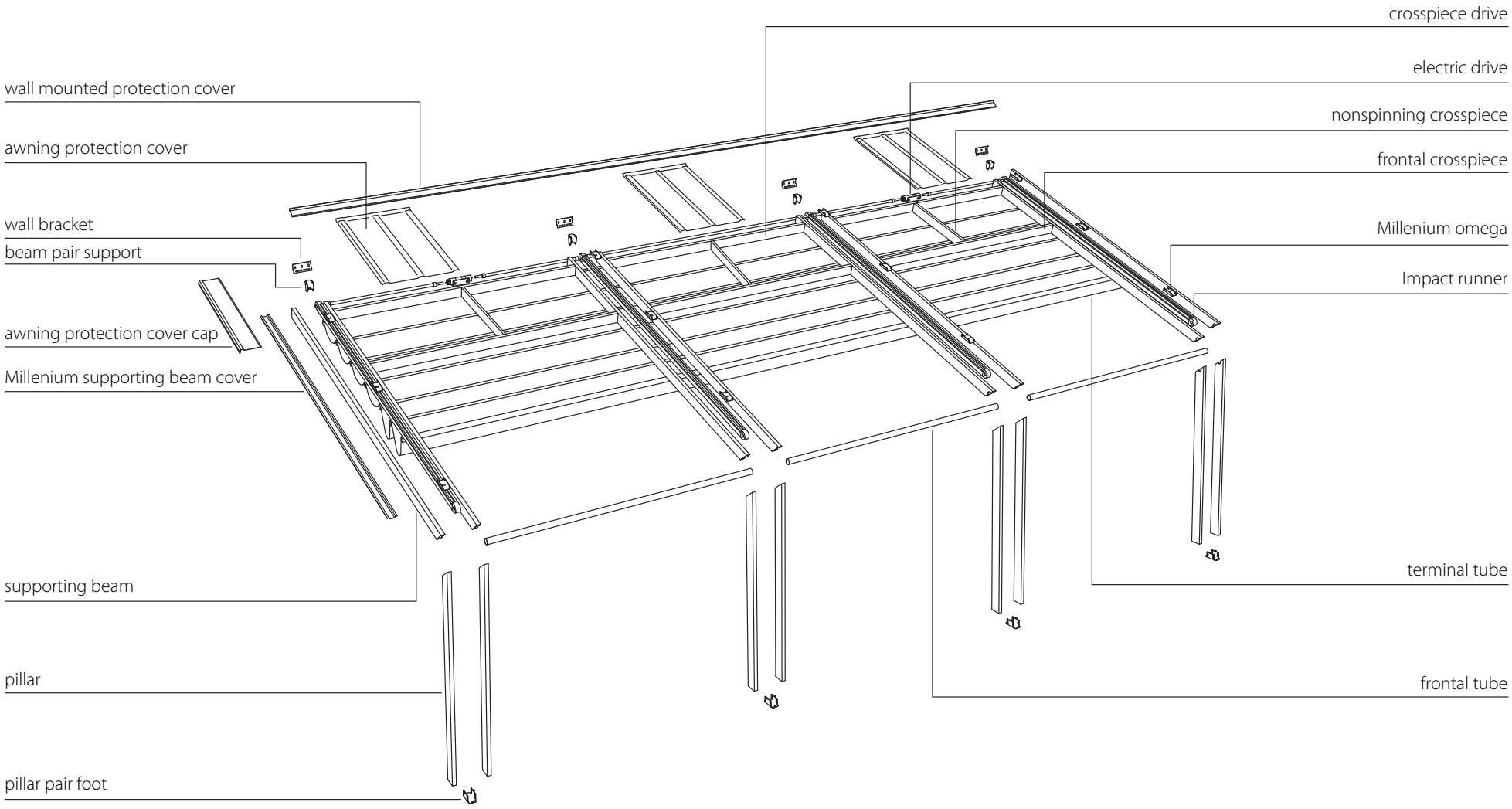
ELECTRIC DRIVE TYPE 1

00775-1 PLAN Motor reducer

ELECTRIC DRIVE TYPE 2

00775-2 SLOPE Motor reducer

00749 MONO Exchange



ELECTRIC DRIVE TYPE 1

00775-1 PLAN Motor reducer

ELECTRIC DRIVE TYPE 3

00775-3 PLUS Motor reducer
00775-2 SLOPE Motor reducer
00757 TANDEM Exchange

RESOLUTION OF PROBLEMS WITH THE ELECTRIC DRIVE MECHANISM

	PROBLEM	CAUSE	CHECKS AND SOLUTIONS
TILTED VERSION MILLENIUM With remote computing system exchange	The motor won't start.	There is no electricity.	Check the electric current.
		It is not plugged in.	Check that the plug is correctly connected to a suitable socket.
		The motor has overheated and the led on the control panel is lit.	Wait 5-10 minutes to allow the motor to cool down. If the problem persist check the limit switch.
		Depleted remote control batteries.	Change the remote battery.
		Broken fuse.	Open the control panel and change the fuse.
	The motor starts but the awning won't move.	Possibly broken belts, or disconnection from drive shaft.	Contact dealer.
	The awning moves erratically.	Dirty runners, runners not properly aligned.	Clean the runners. Follow instructions in chapter on maintenance. Realign the runners.
FLAT VERISION MILLENIUM Without remote computing system exchange	The motor won't start.	There is no electricity.	Check the electric current.
		It is not plugged in.	Check that the plug is correctly connected to a suitable socket.
		The motor has overheated.	Wait 5-10 minutes to allow the motor to cool down. If the problem persist check the limit switch.
		Problem setting the limit switch.	Set the limit switch.
	The motor starts but the awning won't move.	Possibly broken belts, or disconnection from drive shaft.	Contact dealer.
	The awning moves erratically.	Dirty runners, runners not properly aligned.	Clean the runners. Follow instructions in chapter on maintenance. Realign the runners.

	PRODUCT FEATURES	NON COMPLIANCE/ DEFAULT	WARNINGS
GENERAL			Defaults have to be reported within 8 days starting on installation date on the customer's site (point of reference is the date indicated on the declaration of correct installation issued to the end user by the installer). See general sales term.
	The structure is not watertight. In case of particularly violent storms with strong winds water seepage may occur.		
	In case wind values should exceed those shown on the statement of correct installation, it is necessary to close the awning. It is possible to use a properly calibrated anemometer.		
	The product does not guarantee the snow load. In presence of snow, even of low intensity, the canvas should be closed.		
	To have your product warranty the certificate of proper installation is MANDATORY. A copy must be given to the final customer and a copy shall be sent to Corradi SpA. The reception of the duly completed certificate will activate the product warranty.		
	Any change to the product not expressly authorized by Corradi SpA leads to loss of warranty.		
	The structures that are located in an urban environment are subject to pollutants (smog, acid rain), smoke from chimneys, fumes from cooking, and weather in general. It is normal for the fabric and the structure to get dirty. The structures and the fabric are NOT self-cleaning.		
SELF-SUPPORTING	By applying a lateral load on the pillar an oscillation in the structure may occur. This movement is not a sign of structural weakness, but is considered normal for the type of structure. The structure has been calculated by qualified engineers using the Eurocodes and is guaranteed to wind up to the level indicated in the EC certificate and in the Declaration of correct installation.		
CANVAS	Depending on the installation conditions, it is possible that the cloth gets dirty (pollutants, smoke from chimneys, smog, etc.). In this case it may be necessary to clean the fabric more frequently as indicated in the section maintenance.		
	The cloth is not immune from burns caused by cigarette butts, etc..		
	In particular situations of use of the structure, condensation may occur on the inside of the fabric. To limit this condition proceed with an adequate ventilation of the room.		
	The appearance of mold in the embossing of the fabric is due to the presence of moisture on the sheet that favores the formation of micro-organisms. It is therefore necessary to clean the fabric at regular intervals, more frequently if necessary.		
	The presence of folds on the fabric after the first installation may be due to packaging. It is necessary to keep the fabric in position for at least 10 days, and evaluate the quality of the product after this period of time.	The presence of folds on the fabric after 10 days has to be considered a default.	

	PRODUCT FEATURES	NON COMPLIANCE/ DEFAULT
FALSE CEILING	In particular situations of use the structure may present condensation in the area between the canvas and the ceiling. This may cause dirt and / or mold in the intermediate zone. Remove the false ceiling and wash it.	
GUTTER	Periodically check that the drain pipes of the gutter and downspouts are clean. Discard leaves and other detritus that can clog the drain holes.	
	In case of very heavy rainfall it is possible that the gutter is not able to drain the water. This may cause water infiltrations.	
	The water-conducting to the ground may not be controlled by Corradi SpA, but by the final customer. The installation conditions, slopes and any collection wells, are the sole responsibility of the final customer.	
LAMPS	To maintain good efficiency in the seals, thereby ensuring the IP product protection level (shown in the manual), you must do the maintenance indicated in the manual.	
AWNING SAILS	The presence of folds on the sail is due to the long winding of the sail on the roller tube. To limit this phenomenon and to have the warranty the use of the sailcover is mandatory.	
	The presence of folds on the sail immediately after the first installation may be due to packaging. The folds will disappear completely after about 6 months of installation.	
VELOMBRA FABRICS	The fabrics are "dyed in the piece", this can cause a non-perfect uniformity and consistency of color.	
WOOD	WARNING: It is good to remember that any kind of wood type placed outside, and directly exposed to weather elements, may look "lived" even after a relatively short period of time. This manifests itself mainly with:	
	• discoloration of the surface (the degradation varies depending on the moisture content to which the wood is subject)	
	• with the irregularity of the surface due to cyclic phenomena of swelling and shrinkage and possible mechanical wear of the surface.	
	Since wood is a natural material, there are differences in color and grain and therefore all elements are different. Furthermore, depending on the viewing angle the aspect is quite different because of the iridescent nature of the material. The samples and photographic reproductions are thus regarded as indicative and not binding.	
		The detachment of a slat from the beams is considered a defect.
	The wood is placed under a protective treatment performed in autoclaving which allows a better resistance to attack by fungus and mold. This treatment is green (due to the salts used for impregnation), and is performed before painting the beams. The appearance of green stripes on the wood as a result of leaching of the paint finish by bad weather is normal in case of bright colors. In this case you must proceed with the maintenance as indicated in the manual.	
	The beams may present vertical stripes of different shades. This is normal and is due to stacking that occurs inside the autoclave during the impregnation treatment (the beams are spaced apart by transverse beams).	
	The presence of resin is a characteristic of coniferous wood.	
	A dimensional variation of wood products after exposure to moisture is normal. The reference humidity for the measuring is 12% (defined in the UNI EN390: 1997).	

	PRODUCT FEATURES	NON COMPLIANCE/ DEFAULT
FLOOR	The floor may dent in collisions or falling objects and the implementation of concentrated loads on a small area, such as chairs with wheels, high heels and ladders is not suitable.	
	The floor can scratch as a result of contact with small objects such as nails or stones present beneath the soles of shoes.	
	At the time of delivery, the floor may be different from that of the samples after exposure to light which causes a change in the wood color.	
FURNITURE	During the winter it should be protected from the weather. It should be cleaned before being sheltered for the winter.	
	If the furniture is used in a marine environment it should be washed periodically with fresh water to remove traces of salt.	
	Stainless steel features see STAINLESS STEEL voice	
MOTORS	Electrical system: it must be performed by a licensed electrician who shall issue a certificate of conformity of the electrical system.	
	The system has to have an appropriate degree of protection being installed outside. A licensed electrician is able to properly size the system and choose the right components (adequate IP protection).	
	Any voltage drop or radio interference may result in loss of the limit switches of the engines. In this case it is necessary to proceed with a new programming as indicated in the Manual.	
STAINLESS STEEL	The components in stainless steel (AISI 304) require no maintenance. The appearance of micro-oxidation, most frequently in maritime environments characterized by salt spray, does not affect the quality and durability of the product such oxidations are believed to be normal. In case you need to remove these oxidized points you can use a steel wool or a metal bristle brush (in stainless steel). The protective film of chromium oxide (autopassivation) will reset in a natural way with the only exposure to air, without any intervention by the user.	
ALUMINIUM	The presence of marks and scratches is considered a fault only if these are visible at a distance of 2 meters.	If the signs and/or dents are visible at a distance of 2 meters these are to be considered a defect.
	Do not use acid to clean the painted aluminum, but only mild soap and water.	
FINISH		Orange peel: the surface of the coating film has an uneven look like orange peel.
		Blistering: bumps on the surface of the coating film in various sizes and frequency.
		Sagging of the outer layer: localized and well defined irregular accumulations of coating products, in the form of rounded edges and shallow that affect the outer layer.
		Posting - Veneer: the coating film lifts from the substrate in form of small flakes.
		Porosity - Cissing: Small holes like craters or indentations in the surface of the coating film, ranging in size: from small pinhole up to a diameter of up to 1 cm.
		Impurities in the outer and inner layers: the coating film has a rough and irregular surface, easily perceptible to the touch.
		Scrapings for interference: the coating film is damaged and presents lesions of varying depth and extent depending on the cause.

	PRODUCT FEATURES	NON COMPLIANCE/ DEFAULT
GLAZING	For aluminum frames refer to the ALUMINIUM voice.	
ERMETIKA	The temperature inside the protection hood can reach very high values, if exposed to direct sunlight during the summer. This may result in bonding of the fabric if the awning is not handled for long periods. It is recommended to open and close the awning on a frequent basis to avoid this problem.	
	If the fabric is rolled up for long periods creases and wrinkles may appear on the fabric. The fabric is made of PVC and its nature is not comparable to a glass. It is necessary to keep the awning stretched for at least 48h to soften creases and wrinkles.	
	In case of installation in areas affected by dust and wind (e.g. beach facing the sea) it is possible that the fabric may be damaged losing the transparency due to the combined action of wind and sand.	
	To maintain a good efficiency on the awning and the locking device it is necessary to maintain the vertical runners clean as shown in the maintenance chapter.	
	Make sure there are no obstructions that may impede the orderly movement of the awning. This may cause malfunction of the locking devices of the awning.	
	If there is ice/snow runners should be cleaned thoroughly before operating the awning.	
RUNNERS	After some time from the installation and if no periodic maintenance is performed on the runners, as indicated in the manual, there may be noise in the runners and sliders.	Noise on the runners soon after the installation is is considered a default.

INTRODUCTION

MILLENIUM is a unique product that offers the highest quality and longest lifespan thanks to its construction and the materials used. Routine maintenance is therefore minimal, thus allowing users to keep the product perfectly functional and attractive with just a few operations.
The few, simple rules to be followed are given below:

RUNNERS

Once a year in normal conditions of use, or once a month when exposed to sea air, wash the inside of the runners with a jet of water and if possible use a brush to remove all traces of dirt and/or incrusted salt, as described in fig. 1.
Warning: the runners should never be lubricated under any circumstances.

CANVAS

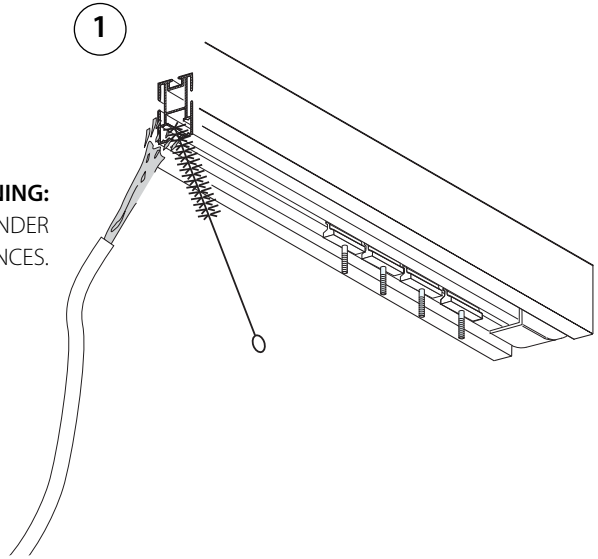
Canvas maintenance is limited to cleaning.
To keep the part exposed to the elements as good as new, wash it 2 or three times a year to avoid dust and smog from being deposited and hardened by the sun.
In order to wash the canvas, spray water and neutral detergent on it, leave the product to work for a few minutes and then use a sponge to remove dirt without applying mechanical pressure, repeat if necessary and rinse well.

HARDWARE

All of the hardware is manufactured in stainless steel (AISI 304) and therefore does not require maintenance.
The appearance of micro-oxidation on the brackets does not compromise their quality and duration and is to be considered normal.

WARNING:
THE RUNNERS SHOULD NEVER BE LUBRICATED UNDER ANY CIRCUMSTANCES.

1



TABLES

1 - STRENGTH AND EFFECTS OF WIND ON BEAUFORT SCALE

Degree	*Class**	*Load (N/mq)*	*Knots*	*Km/h*	*m/s*	*Envir. conditions*	*Effects of wind*
0	0	< 40	0-1	0-1	< 0,3	Calm	Smoke rises vertically
1	0	< 40	1-3	1-5	0,3-1,5	Light air	Direction of wind shown by smoke drift, but not by weather vanes
2	0	< 40	4-6	6-11	1,6-3,3	Light breeze	Wind felt on face, ordinary vanes moved by wind
3	0	< 40	7-10	12-19	3,4-5,4	Gentle breeze	Leaves and small twigs in constant motion
4	1	40	11-16	20-28	5,5-7,9	Moderate breeze	Raises dust and loose paper; small branches are moved
5	2	70	17-21	29-38	8-10,7	Fresh breeze	Small trees begin to sway
6	3	110	22-27	39-49	10,8-13,8	Strong breeze	Large branches in motion; umbrellas used with difficulty
7	> 3	> 110	28-33	50-61	13,9-17,1	Strong wind	Whole trees in motion; inconvenience felt when walking against wind
8	> 3	> 110	34-40	62-74	17,2-20,7	Fresh gale	Branches break off trees; generally impedes progress
9	> 3	> 110	41-47	75-88	20,8-24,4	Strong gale	Tiles come off roofs
10	> 3	> 110	48-55	89-102	24,5-28,4	Whole gale	Trees uprooted
11	> 3	> 110	56-63	103-117	28,5-32,6	Storm	Serious damage to buildings
12	> 3	> 110	>64	>118	> 32,7	Hurricane	Immense damage

** According to the UNI EN 13561 standard*

TABLE 2 - MAXIMUM SIZE

Model	*Nr. of runners*	*Width*	*Projection*
Millenium flat	2	350	600
	3	700	600
	4	1050	600
Millenium tilted	2	450	590
	3	900	590
	4	1300	590

Values in cm for the maximum size of single canvases

TABLE 3 - DEFLECTION (minimum values in cm for single canvas flat Millenium)

Width (cm)							
250	*300*	*350*	*400 ~ 500*	*550 ~ 600*	*650 ~700*	*700 ~ 900*	*950 ~ 1050*
11	14	17	11	14	17	14	17
2 runners			***3 runners***			***4 runners***	

TABLE 4 – Maximum tensile and shear load (not combined) in daN (1 daN ≈ 1 kg) on each bolt (considering 2 bolts for each support) for a maximum wind speed of 49km/h (Beaufort scale 6 - Class 3 according to EN 13561)

Width (cm)

Projection (cm)	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
250	25	28	31	35	38	42	50	53	56	60	63	67	70	73	77	57	59	61	63	66	68	70	72
300	28	32	35	39	43	47	56	60	64	68	72	76	80	83	87	64	67	69	72	75	77	80	82
350	31	35	40	44	48	53	63	67	72	76	80	85	89	93	98	72	75	78	81	84	86	89	92
400	34	39	44	49	53	58	70	74	79	84	89	94	99	103	108	80	83	86	89	93	96	99	102
450	37	42	48	53	58	64	76	81	87	92	97	103	108	113	119	87	91	94	98	102	105	109	112
500	40	46	52	58	63	69	83	89	94	100	106	112	118	123	129	95	99	103	107	111	114	118	122
550	43	50	56	62	69	75	89	96	102	108	115	121	127	133	140	103	107	111	115	120	124	128	132
600	47	53	60	67	74	80	96	103	110	116	123	130	137	143	150	111	115	120	124	129	133	138	142
650	50	57	64	71	79	86	103	110	117	124	132	139	146	153	161	118	123	128	133	138	142	147	152
700	53	61	68	76	84	91	109	117	125	133	140	148	156	163	171	126	131	136	141	147	152	157	162
750	56	64	72	81	89	97	116	124	132	141	149	157	165	173	181	134	139	145	150	156	161	166	172
800	59	68	77	85	94	103	123	131	140	149	157	166	175	183	192	141	147	153	159	165	170	176	182
	2 RUNNERS						**3 RUNNERS**									**4 RUNNERS**							

TABLE 5 Maximum tensile and shear load (not combined) in daN (1 daN ≈ 1 kg) on each bolt (considering 2 bolts for each support) for a maximum wind speed of 74km/h (Beaufort scale 8 -over Class 3 according to EN 13561)

Width (cm)

Projection (cm)	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
250	35	41	47	53	59	65	76	82	88	94	100	106	112	118	124	90	94	98	102	106	110	114	118
300	40	47	54	61	68	75	88	95	102	109	116	123	130	137	144	104	109	114	118	123	128	132	137
350	46	54	62	70	78	86	100	108	116	124	132	140	148	156	164	119	124	129	135	140	145	151	156
400	51	60	69	78	87	96	112	121	130	139	148	157	166	175	184	133	139	145	151	157	163	169	175
450	56	66	76	86	96	106	123	133	144	154	164	174	184	194	204	147	154	161	167	174	181	187	194
500	61	72	83	94	105	117	135	146	157	168	179	191	202	213	224	162	169	176	184	191	198	206	213
550	67	79	91	103	115	127	147	159	171	183	195	207	219	232	244	176	184	192	200	208	216	224	232
600	72	85	98	111	124	137	159	172	185	198	211	224	237	250	263	190	199	208	216	225	234	243	251
650	77	91	105	119	133	147	171	185	199	213	227	241	255	269	283	205	214	223	233	242	252	261	270
700	82	97	112	127	143	158	183	198	213	228	243	258	273	288	303	219	229	239	249	259	269	279	289
750	88	104	120	136	152	168	195	211	227	243	259	275	291	307	323	233	244	255	266	276	287	298	308
800	93	110	127	144	161	178	207	224	241	258	275	292	309	326	343	248	259	271	282	293	305	316	327
	2 RUNNERS						**3 RUNNERS**									**4 RUNNERS**							

TABLE 6 - MINIMUM SLOPE (minimum values in cm for single canvas tilted Millenium)

Projection (cm) \ Width (cm)	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
250	15	20	25	29	34	39	20	23	25	27	29	32	34	37	39	27	28	29	32	33	34	37	38
300	19	25	30	36	41	47	25	28	30	33	36	39	41	44	47	34	35	36	39	40	41	45	46
350	22	29	36	42	48	55	29	33	36	39	42	45	48	52	55	40	41	42	46	47	48	53	54
400	26	34	41	48	56	63	34	38	41	45	48	52	56	60	63	46	47	48	54	55	56	61	62
450	31	39	47	55	63	72	39	43	47	51	55	59	63	68	72	53	54	55	61	62	63	70	71
500	35	44	53	62	71	80	44	49	53	58	62	67	71	76	80	60	61	62	69	70	71	78	79
550	39	49	59	69	79	89	49	54	59	64	69	74	79	84	89	67	68	69	77	78	79	87	88
600	43	54	65	76	87	98	54	60	65	71	76	82	87	93	98	74	75	76	85	86	87	96	97
650	48	60	71	83	95	107	60	66	71	77	83	89	95	101	107	81	82	83	93	94	95	105	106
700	53	65	78	90	103	116	65	72	78	84	90	97	103	110	116	88	89	90	101	102	103	114	115
750	58	71	84	98	111	125	71	78	84	91	98	105	111	118	125	96	97	98	109	110	111	123	124
800	62	76	91	105	120	135	76	84	91	98	105	113	120	128	135	103	104	105	118	119	120	133	134
	2 runners					***3 runners***									***4 runners***								

ART. 1 - USE:
MILLENIUM (registered trademark) is a pergola with retractable awning to cover outdoor areas such as gardens, balconies, rooftop gardens, yards, etc.
MILLENIUM and its components have been designed, patented and registered as trademarks by Corradi Spa - Bologna, Italy - and have been manufactured in accordance with applicable technical standards.
The warranties hereunder are valid if installation and use of the awning conform to the specifications indicated in the articles and tables below. Only the finest materials, suited to outdoor use, have been used in the manufacture of MILLENIUM components.
MILLENIUM is designed and manufactured to customer specifications, to protect from the sun and precipitations with a resistance to water accumulation over Class 2 (56 lt/hour x mq) of the UNI EN 13561, snowfall excluded and a wind resistance over Class 3 (49 km/hour) of the UNI EN 13561.

ART. 2 - VERSIONS:
MILLENIUM TILTED VERSION must be fixed to a suitable supporting wall and may be used in winds of up to force 8 on the Beaufort scale as shown in table 1.
MILLENIUM FLAT VERSION must be fixed to a suitable supporting wall and may be used in winds of up to force 6 on the Beaufort scale as shown in table 1.

ART. 3 - INSTALLATION:
MILLENIUM shall always be fixed to a suitable supporting structure (wall or ceiling): all conditions in table 2 "Maximum size", table 3 "Deflection " table 4-5 "Maximum load", table 6 "Minimum slope" shall be complied with.
The retailer has to give the "User Manual" to the client.

ART. 4 – WARRANTY VALIDITY:
The warranty is only valid if the installation and utilisation conditions as specified in art. 3 are observed.
The warranty covers the repair or entire replacement free of charge (labour excluded) of all components that may be non-conforming or faulty, including transport charges. Damage from non-enjoyment of MILLENIUM for any period of non-use before and during the repair shall not be covered.
No compensation may be claimed for "actual damages or lost profit".
The above mentioned warranty will be effective only in the state in which the retailer or the concessionaire has his own office.

ART. 5 - WARRANTY STARTING POINT:
The warranty starts from the date on which work ends with delivery of the User Manual and, in any case, from the date on which Corradi Spa receives copy of the declaration of correct installation complete in all its parts and signed by the end buyer and by the authorised retailer.

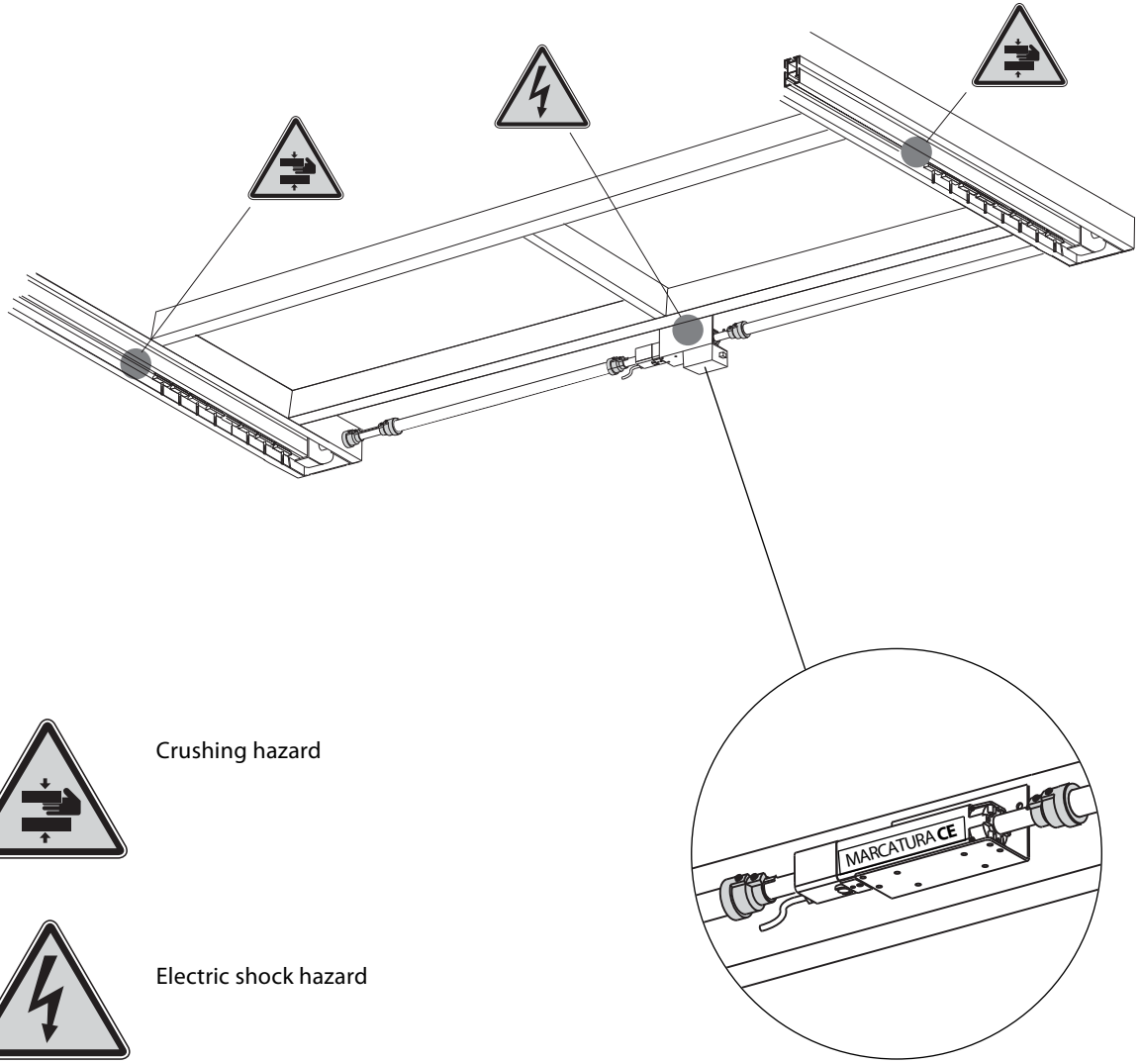
ART. 6 – WARRANTY EXCLUSIONS:
The warranty is not valid in the cases listed below, by way of illustrative and non-limiting example:
a) For damage arising from impact or extraordinary natural events (lightning, flooding, earthquake, hail, etc.)
b) For damage caused by the actions of persons or technicians not authorised by Corradi Spa;
c) If the electrical voltage has a variation above or below 5% of the rated value (IEC standard 2-3 July 1988)

ART. 7 - DURATION OF WARRANTY
5 YEARS (five):
For the moving system and the ECLISSI fabric, excluding CRISTAL and VINITEX fabrics.
2 YEARS (two):
CRISTAL and VINITEX fabric for any outer fasteners (roll up canvases, sliding canvases, canvases with zippers, etc. The wind resistance of these components depends on the solution installed and will be certified, upon request, for each single installation.

ART. 8 - COMPLAINT
According to art. 1495 sub-section 1 and 1511 sub-section 1 of the Civil Code, the customer may inform the retailer of any apparent fault found on the goods in writing only and no later than 8 (eight) days of receiving the goods. According to art. 1495 sub-section 1 of the Civil Code, the customer may inform the retailer of any non-apparent fault found on the goods in writing only and no later than 8 (eight) days of the discovery date, providing photographic proof of the fault. Both legal actions by the buyer towards the retailer become statute-barred one year after receiving/installing the goods (Art. 1495 sub-section 2).
According to art. 1512 of the Civil Code, the customer may inform the retailer of any operating fault in writing only and no later than 15 (fifteen) days of discovery under penalty of cancellation of the warranty. The legal action by the buyer towards the retailer becomes statute-barred six months after discovery (Art. 1512 sub-section 1).
The customer may inform the retailer of any non-conformity covered by articles 128 to 1134 of legislative decree 206 / 2005 (Consumers Code) in writing only and no later than 2 (two) months of discovery. The legal action by the buyer towards the retailer becomes statute-barred within 26 months of the discovery date announced in the terms (Art. 132 sub-section 4 Consumers Code).

ART. 9 - TERRITORIAL EXTENTION OF THE WARRANTY
The above mentioned warranty will be effective only in the state in which the client has his own domicile.
Products directly or indirectly sold, installed or granted for commodate to customers outside the client's domicile are specifically excluded from warranty unless agreed in writing by Corradi Spa.

CE MARKING



Crushing hazard

Electric shock hazard

CE MARKING FOR 2-3 RUNNER VERSIONS

Corradi Spa - Via G. Brini, 39 - 40128 Bologna Italy		
Model: MILLENIUM	2 runners	
Serial no.: 00000/00	Year of production: 0000	
Power supply: 230 V ~	Power: 218 W	
Number of phases: 2	Frequency: 50 Hz	CE
Wind resistance: Class 3	EN 13561	

CE MARKING FOR 4 RUNNER FLAT VERSIONS

Corradi Spa - Via G. Brini, 39 - 40128 Bologna Italy		
Model: FLAT MILLENIUM	4 runners	
Serial no.: 00000/00	Year of production: 0000	
Power supply: 230 V ~	Power: 218 W	
Number of phases: 2	Frequency: 50 Hz	CE
Wind resistance: Class 3	EN 13561	

CE MARKING FOR 4 RUNNER TILTED VERSION

Corradi Spa - Via G. Brini, 39 - 40128 Bologna Italy		
Model: TILTED MILLENIUM	4 runners	
Serial no.: 00000/00	Year of production: 0000	
Power supply: 230 V ~	Power: 218 + 218 W	
Number of phases: 2	Frequency: 50 Hz	CE
Wind resistance: Class 3	EN 13561	

CE DECLARATION OF CONFORMITY

The following CE Declaration of Conformity is subordinated to the observance of constraints and indications in the product warranty, as well as the correct installation done by the person in charge in accordance with the installation and lay-out instructions established by Corradi Spa.

Manufacturer: Corradi Spa
Via G. Brini, 39 - 40128 Bolgna Italy
Product description: MILLENIUM
Model: MILLENIUM 2 - 3 - 4 runners
Serial number: (see CE marking on product)
Production year: (see CE marking on product)
Usage: (see User manual - Original Instructions and concerning Warranty)

With the following document the company declares on its own responsibility, that the above mentioned product satisfies the Directives indicated on the side:

REFERENCE DIRECTIVES appliable to the following CE Declaration of Conformity

Construction Production Directive 89/106/CEE;
Electromagnetic Compatibility Directive 89/336/CEE(*);
Machinery Directive 2006/42/CE(*);
Low Voltage Directive 2006/95/CE(*);

The conformity has been verified with the aid of the following norms:
- Performance requirements, safety included UNI EN 13561:2009
- Wind resistance class: Class 3(**) (method according to UNI EN 1932: 2002);

INDICATION / CONDITIONS TO WHICH THE USAGE OF THE PRODUCT IS SUBJECT:
The CORRADI product is subject to the installation activity done for the Client.
The Authorized Installer has to draw up and hand over the suitable DECLARATION OF CORRECT INSTALLATION AND CLASSIFICATION OF WIND RESISTANCE to the user, which testifies the correct installation, in accordance with the instructions supplied by the manufacturer and applied in accordance with the state and morphology of the installation site and corresponding to the using conditions for which it has been realized.

The Installer has to follow the reference instructions in the "INSTALLATION MANUAL" and "USER MANUAL" .
The Installer fills out and signs the DECLARATION OF CORRECT INSTALLATION AND CLASSIFICATION OF WIND RESISTANCE, in accordance with the model in the USER MANUAL.

THE MANUFACTURER
I declare that the above described product conforms to the indications and requirements in the above mentioned Directives.

CHIEF EXECUTIVE OFFICER
Eng. Gianmarco Biagi

(*) Directives exclusively applicable to products with motorizations and automations [see User manual]
(**) Wind resistance class: the wind resistance class has been verified using installation supports with features as in the Load table in the User manual

PROCEDURE FOR INSTALLING THE PLAN 75 – TYPE 1 MOTOR (ONLY FOR INSTALLERS)

WARNING

A qualified technician must initially adjust the motor.

When there is an electrical current, proceed with maximum caution in accordance with the safety regulations in force. When everything has been assembled, check that the transmission system is properly connected: shafts, tubes, side shafts and motor heads, with the sliders stacked at the top of the awning. The motor is in neutral in this position. Before assembling the awning proceed as follows:

1) TEMPORARY ADJUSTMENT OF THE OPENING LIMIT SWITCH Press push-button **A** with a screwdriver, turning it slightly in order to secure the push-button. Press the push-button panel to move the awning to ¾ of the runner. To store the limit switch and quit the procedure press push-button **A** with a screwdriver and turn slightly to release, to store the limit switch position and quit the procedure.

2) ASSEMBLING THE AWNING

Assemble the end and intermediate tubes to the structure, securing them to the sliders.

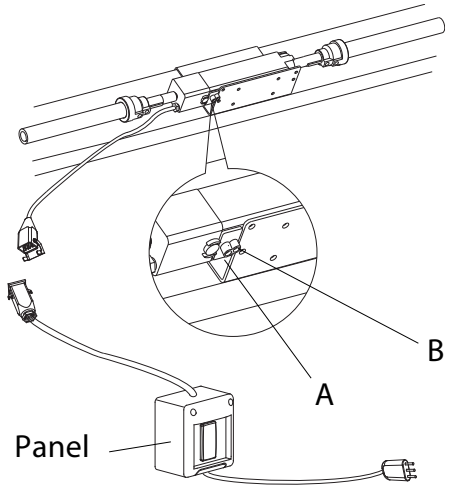
3) ADJUSTING THE CLOSING LIMIT SWITCH, WITH AWNING RETRACTED

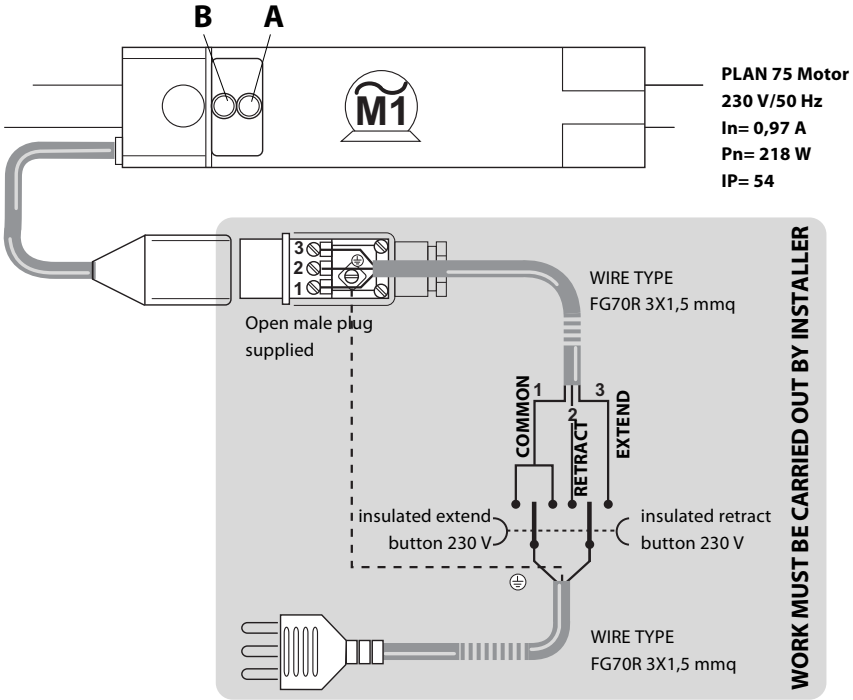
Go back to the neutral position, retracting the awning until it stops, then press push-button **B*** with a screwdriver, turning it slightly in order to secure the push-button. Set the closing limit switch 5 cm ahead of the neutral position, so that the sliders are slightly slack. Press push-button **B** with a screwdriver and turn slightly to release, to store the limit switch position and quit the procedure.

4 - PERMANENT ADJUSTMENT OF THE OPENING LIMIT SWITCH

Open the awning until it stops (temporary opening limit switch) then press push-button **A** with a screwdriver, turning it slightly in order to secure the push-button. Roll down the awning until it reaches the right opening position. To store the limit switch and quit the procedure press push-button **A** with a screwdriver and turn slightly to release, to store the limit switch position and quit the procedure..

** Do not try to force the push-button if it does not move when pressed, but ensure that the motor is positioned on the limit switch.*





LIMIT STOP ADJUSTMENT PLAN 75 MOTOR

The end user of the product must refer to the limit stop adjustment procedure described here below. This procedure differs from the initial adjustment of the motor set by the technical installer (see Installation Manual).

LIMIT SWITCH: OPENING (AWNING EXTENDED)

If the INSTALLATION KIT panel is present, connect it to the motor so that it can be manoeuvred.

N.B. For those who don't have a push-button panel ask a qualified technician to realize one, as in the wiring scheme.

Run down the awning to the pre-set position for the opening limit switch; the awning must be in this position to set the opening limit switch.

Push the **A*** button on the motor box using a screwdriver, making a slight rotation, block the push-button in depressed position. The actual limit switch will be cancelled.

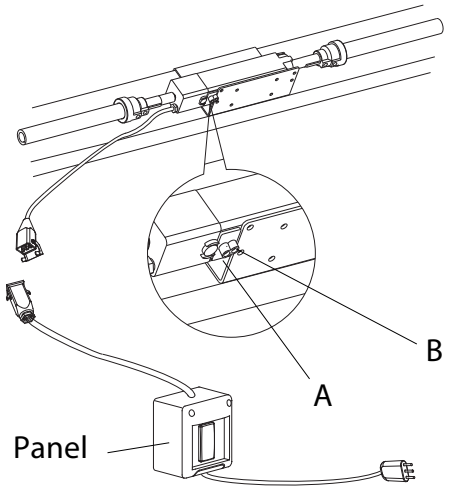
When the push-button is pushed inside, operate the panel until the awning is in the right limit switch position. Press push-button **A** with a screwdriver and turn slightly to release, to store the limit switch position and quit the procedure.

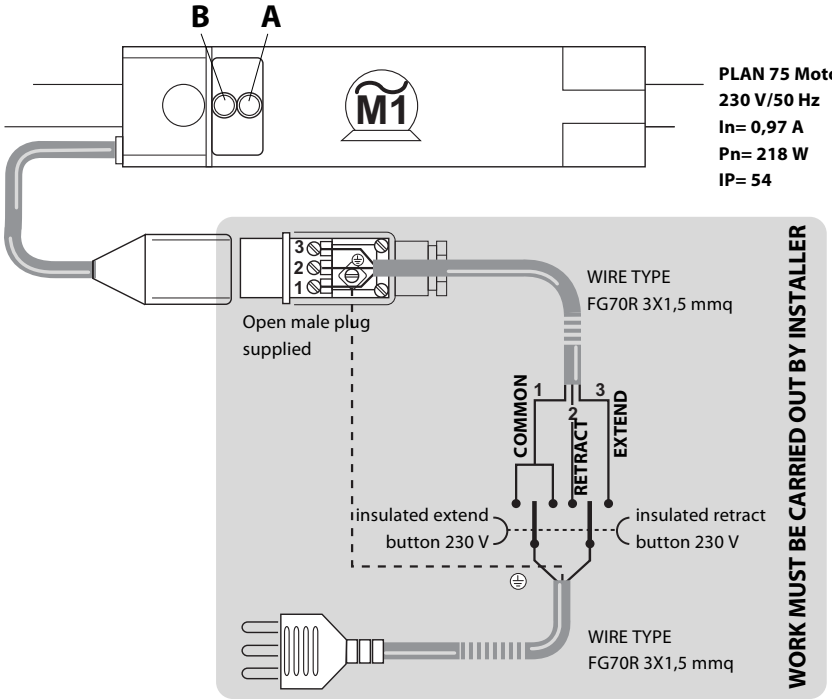
Do not try to force the push-button if it does not move when pressed, but ensure that the motor is positioned on the limit switch.

LIMIT SWITCH: CLOSING (AWNING RETRACTED)

Connect the panel to the motor. Raise the awning to the pre-set position for the closing limit switch. The awning must be in this position to set the closing limit switch. Press push-button **B** on the motor body with a screwdriver, turning it slightly in order to secure the push-button.

When the push-button is pushed inside and secured, operate the panel until the awning is in the right limit switch position. Press push-button **B** with a screwdriver and turn slightly to release, to store the limit switch position and quit the procedure.





ADJUSTING THE COMMANDS

ELECTRIC DRIVE TYPE 2 (SLOPE 95 MOTOR)

LIMIT STOP ADJUSTMENT SLOPE 95 MOTOR

Proceed with maximum caution in accordance with the safety regulations in force.

- Check that the motor is correctly connected to the exchange and that the exchange is correctly connected to the mains.
If not present make the connections as indicated in the wiring scheme.
- Push the START button **(1)** on the remote computing system exchange and wait for the led to turn RED **(2)**, and then release the switch.
The awning starts to descend; once it gets to the limit switch it will stop for about 1 second and then it will move upwards automatically.
- Push the STOP button **(3)** as soon as you reach the point where you would like to have the limit switch on the upper side.

It is then possible to use the remote control supplied.
Then proceed with assembly of the awning. The tension of the canvas when opening is managed by the exchange, whilst the point at which the stacked awning stops is the point memorised with the STOP button. If the motor stops (because of overheating), the red LED **(2)** flashes: after approximately 5 minutes the light goes off and the motor can be used again.

Tuning a new remote control

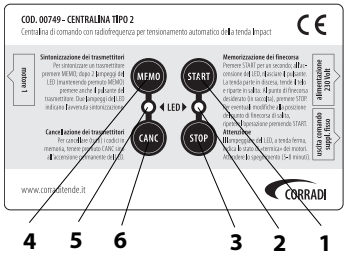
Press the MEMO button **(4)**, the LED **(5)** flashes twice, keep the MEMO button **(4)** pushed down and press the remote control button at the same time, the LED **(5)** flashes twice indicating that the remote control has been recognised.

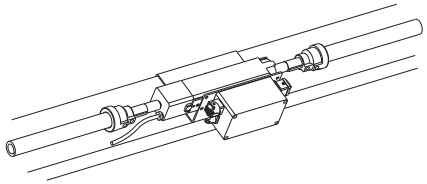
Cancelling remote control memory:

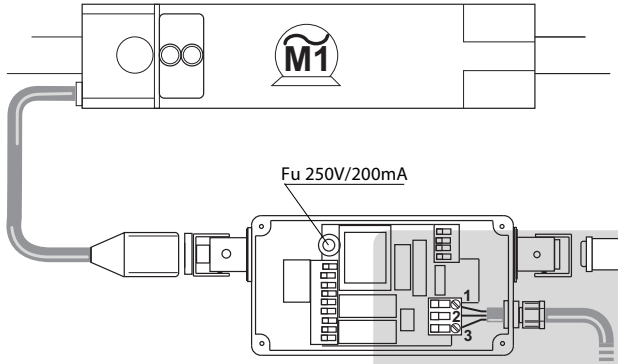
You can cancel all the remote control codes by pressing the CANC button **(6)** and waiting for the LED **(5)** to stay permanently red.

MONO 00749 Exchange

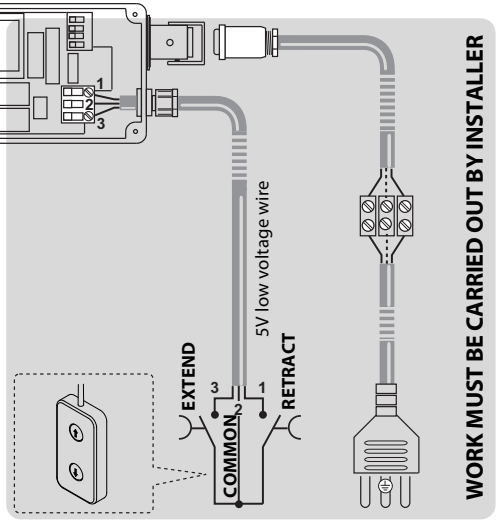
With automatic opening limit switch including a remote control.







SLOPE 95 Motor
230 V/50 Hz
In= 0,97 A
Pn= 218 W
IP= 54



Push-button panel maintained, supplied and installed by an electrician. Positioned within the awning's operating field

ADJUSTING THE COMMANDS

ELECTRIC DRIVE TYPE 3 (SLOPE 95 AND PLUS 96 MOTORS)

LIMIT STOP ADJUSTMENT SLOPE 95 AND PLUS 96 MOTORS

Proceed with maximum caution in accordance with the safety regulations in force.

- Check that the motor is correctly connected to the exchange and that the exchange is correctly connected to the mains.
If not present make the connections as indicated in the wiring scheme.
- Push the START button **(1)** on the remote computing system exchange and wait for the led to turn RED **(2)**, and then release the switch.
The awning starts to descend; once it gets to the limit switch it will stop for approximately 1 second and then it will move upwards automatically.
- Push the STOP button **(3)** as soon as you reach the point where you would like to have the limit switch on the upper side.

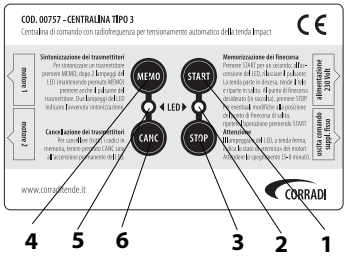
It is then possible to use the remote control supplied.
Then proceed with assembly of the awning. The tension of the canvas when opening is managed by the exchange, whilst the point at which the stacked awning stops is the point memorised with the STOP button.
If the motor stops (because of overheating), the red LED (2) flashes: after approximately 5 minutes the light goes off and the motor can be used again.

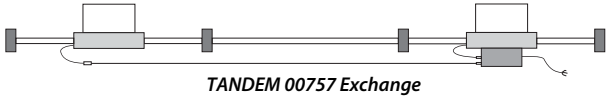
Tuning a new remote control

Press the MEMO button **(4)**, the LED **(5)** flashes twice, keep the MEMO button **(4)** pushed down and press the remote control button at the same time, the LED **(5)** flashes twice indicating that the remote control has been recognised.

Cancelling remote control memory:

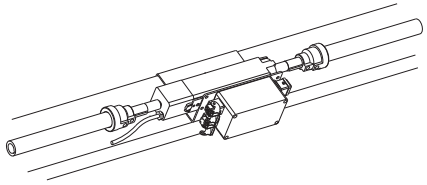
You can cancel all the remote control codes by pressing the CANC button **(6)** and waiting for the LED **(5)** to stay permanently red.

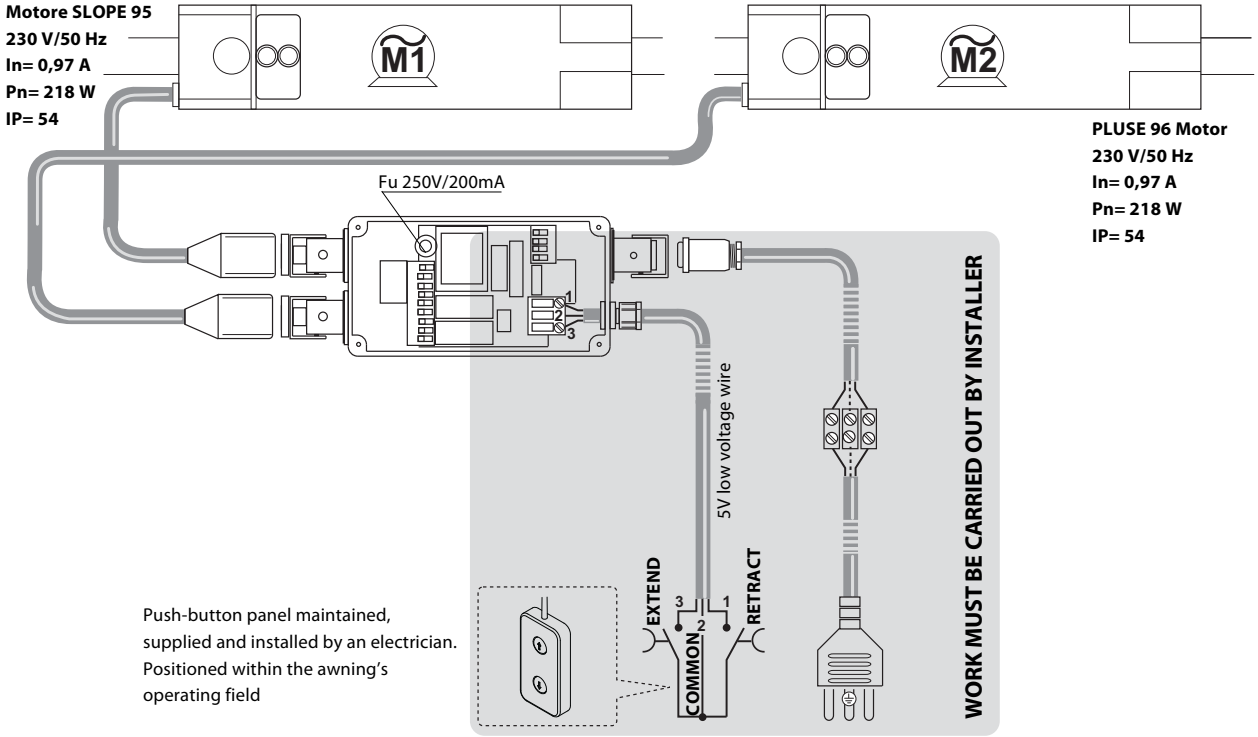




TANDEM 00757 Exchange

With automatic opening limit switch for two motors including a remote control.





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