

# TF23R TF33R TF24R TF44R RR MEM/AL RW RDC TR8 TR4

## Control and power units Detectors and remote controls



### PRODUCT DESCRIPTION

**TF33R** - Control and feeding unit with 2 outputs at 24V and 1 output at 230V, max. 1,5A each. Provided with remote control receiver, either at 433,92 MHz or infra-red. Input for one RW wind sensor with adjustable speed threshold via trimmer. Possibility to operate two RDC 12V rain sensors simultaneously. A blue LED indicates the control unit and the remote control status. All functions (rain sensor exclusion, manual operation, thermostat connection, etc.) can be set out via dipswitch. CE marked device.

**TF23R\_TF24R\_TF44R\_RR** - The TF23R, TF24R, TF44R and RR control units feed and control 24V or 230V TOPP actuators. Built-in radio receiver at 433,92 MHz. Pre-set for RW wind sensor and RDC 12V rain sensor. CE marked device.

**MEM/AL** - Power supply system for connecting 24V actuators, max 16A, to an existing detection control unit. In the temporary absence of main voltage, the MEM/AL module guarantees, by the use of back-up batteries (to be requested separately) a limited number of activations of the actuators connected to it. The existing detection control unit must be equipped with a 24V dc alarm signal or, alternatively, a N.O. contact. The MEM/AL module is designed to be connected to a double N.O. switch to control the actuators as well for ventilation (limited number of daily operations) or for closing the windows in the event of an opening command from the existing control unit. CE marked.

TECHNICAL SPECIFICATIONS	TF23R_TF33R	TF24R	TF44R	RR
Power supply voltage	230 V_50 Hz.			
Output voltage	24 V - 230 V	24 V c.c.	230 V_50 Hz.	230 V_50 Hz.
Max power consumption	32 W	62 W	300 W	300 W
Max absorbed current	0,5 A	1,35 A	1,3 A	1,3 A
Service type	S1 – continuous		depending on the connected motors	
Pre-set for	wind sensor, rain detector, push button		rain detector or cabled push button	
Operating temperature	- 5 + 50 °C			
Dimensions	150x80x55 mm 150x80x28 mm	160x120x75 mm	160x120x75 mm	87x53x32 mm
Connectable C20 actuators	3	4*	16*	6
Connectable C20 tandem actuators:	-	4*	8*	3
Connectable C30 tandem actuators	-	4*	16*	4
Connectable C40 actuators	-	4*	20*	5
Connectable C60 actuators	3	2	6*	6
Connectable ACK4 actuators	-	-	16*	4
Connectable C130 actuators	3	8*	16*	6
Connectable C160 actuators	-	2	6**	6**
Connectable C240 actuators	-	4*	8*	3
Connectable C260 actuators	-	-	16*	3
Connectable S80 actuators	-	4 * ***	16 * ***	4
Connectable T50 actuators	-	1	16*	4

\* Motors must be equally located on the four feeding unit outputs, which implies a 1 minute delay between 2 consecutive commands.

\*\* Except 1000 mm stroke. \*\*\* Max. 400 mm stroke.

TECHNICAL SPECIFICATIONS	MEM/AL
Power supply voltage	230 V~50 Hz.
Output voltage	24 V
Max power consumption	0,30W
Max absorbed current	16 A
Service type	S1 – continuous
Operating temperature	-5 °C +50 °C
Dimensions	234x315x190 mm
Connectable C20 actuators	30
Connectable C20 tandem actuators	15
Connectable C30 actuators	12
Connectable C40 actuators	12
Connectable C60 actuators	26
Connectable ACK4 actuators	10
Connectable C130 actuators	30
Connectable C160 actuators	15
Connectable C240 actuators	15
Connectable S80 actuators	12
Connectable T50 actuators	10

### Control and power units for actuators at 230V and 24V

8C0070	TF23R Control and power pack, 3 outputs for 24V DC actuators, with 433 MHz on-board receiver and infra-red LED for remote control. Box for wall fixing with sliding opening to programm the remote control and the emergency closure. Can be paired with TR8 remote control.
8C0071	TF33R Control and power pack, 2 outputs for 24V DC actuators and 1 output for 230V DC actuators , with 433 MHz on-board receiver and infra-red LED for remote control. Box for wall fixing with sliding opening to programm remote control and emergency closure. Can be paired with TR8 remote control.
8C0072	TF33R Control and power pack, 2 exits at 24V and 1 exit at 24V with adjustable power, with 433 MHz remote control receiver and infra-red LED. Box for wall fixing with sliding opening to programm remote control and emergency closure. Can be paired with TR8 remote control.
8C0054	TF24R Control and power unit 24V (4 outputs) with 433MHz receiver. Can be paired with TR8 remote control.
8C0066	TF44R Control and power unit 230V (4 outputs) with 433MHz receiver. Can be paired with TR8 remote control.
8C0123	RR Control and feeding unit 230V (1 outputs) with 433 MHz on-board receiver. Can be paired with TR4 and TR8 remote controls.
8C0016	CC1 control unit for simultaneous stop max 3 T50 230V stroke 320 mm
8D0008	AL/TF power pack 230/24V (for TF24R) battery backup not included
8K0001	Battery set for AL/TF feeder unit (2x12V 7Ah)
8D0004	AL2/SW electronic feeder board for 24V DC actuators, max 1,6A (max. 2 C20)
8C0091	MEM/AL Expanding module for 24V motors (max.16A)
8K0001	Battery set for MEM/AL (2x12V 7Ah)
8C0090	MEM module for local operation
8E0030	RW wind sensor
8E0054	RDC/12 12V Rain sensor, incl. roof fixing adhesive tape
0B0020	Special adjustable bracket for RDC/12 roof installation
8E0314	TR8 8 chanel remote control with wall mount holder
8E0330	TR4 4 chanel remote control (for C30R and RR)