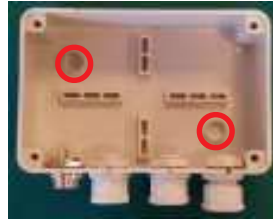


Mounting

1) Open the box, lift the PCB (loosen screw) c/ w the lid of the box, fix the box on the wall with proper screws (see marking).



2) Cover the screws with the plastic caps.

3) Insert PCB, fix it with screw. Provide connections 1-3, put on the lid, fix screws. Now plug into socket outlet.



Type	MWRC1	MWRC2
Supply voltage	230V~ / 50Hz -3W	
Power consumption	6 mA max.	
Voltage valve	230V~ / 50Hz - 1A	
Voltage pump	230V~ / 50Hz - 5A	
Monitoring of liquid level	float switch (not included)	sensor (not included)
Storage temperature	-20 °C ÷ +80 °C	
Operational temperature	0 °C ÷ +50 °C	
Dimensions	127 x 87 x 61 mm.	
Weight	575 gr.	
Rain Water level display	no	10 LED BAR
Basic regulations	EC directives 73/23, EC 89/336, EC 93/68	
Float switch for MWRC1		
Technical features	Code	
Low voltage microswitch (gold contacts) with special connector	K2M100LCY0	
Standard cable lenght (other cable lenghts on request)	mt. 10	
Sensors for MWRC2		
Technical features	Code	
Stainless steel (AISI 316) housing with special connector	PRS50A5G1M10000	
Brass housing with special connector	PRS00A5G1M10000	
Standard cable lenght (other cable lenghts on request)	mt. 10	

Dis. 5584

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MWRC1 / MWRC2

Economical and ecological
 rain water management

User's Manual

After installation and electrical connection by skilled personnel, MWRC perfectly controls your rain water catchments system. Green LED "Ready" lights up, set the Program Selector to Auto - from now on MWRC checks the level of water within your cistern and automatically switches to fresh water supply (LED "Fresh water" lights up) if there is not enough rain water in the cistern. As soon as a maximum level within the cistern has been reached, MWRC switches back to position "Rain water" - unnecessary consumption of fresh water is avoided (LED "Rain water" lights up).

By pushing the button "Simulation low level rain water" you simulate low level within the cistern. Whilst keeping the button pressed, the system operates with fresh water (LED "fresh water" lights up). Once every day MWRC automatically switches to the alternate position and back in order to regularly activate connected valves.

In case you wish to run your system with fresh water only (e.g. during maintenance) you set the program selector to "Permanent Fresh Water", the respective LED and fresh water LED light up.

The reading scale of type MWRC 2 indicates the relative level of water within the cistern.

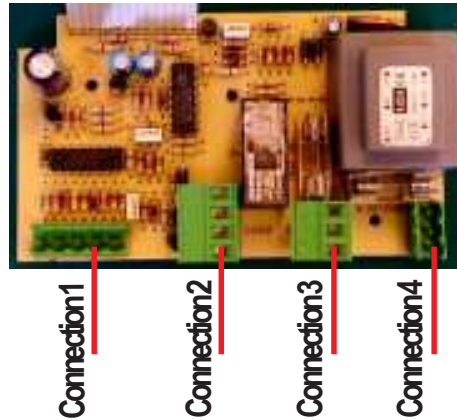


Wiring diagram

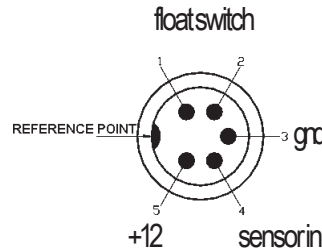
1. Rain water float switch (only for MWRC1)
- 1a. Level sensor (only for MWRC2)
2. Motorized valve / solenoid valve
3. Electrical supply pump/ pump control
4. Electrical supply MWRC

Wiring

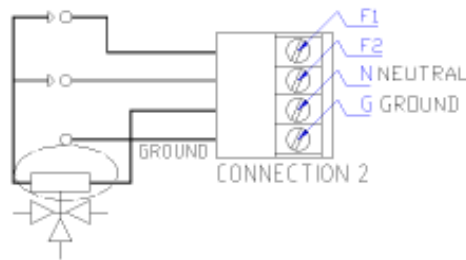
MWRC comes wired complete with cord and plug. Any other connection must be made at the moment of installation.



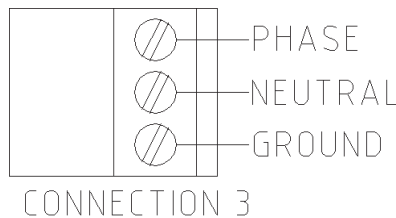
1) Connection of sensor or/and float switch by means of enclosed adaptor. Pins 1 and 2 used for float switch, pins 3-4-5 used for sensor.



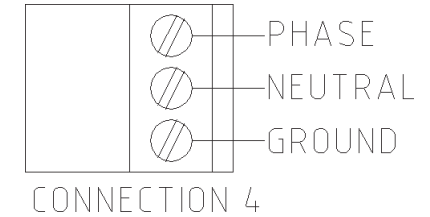
2) Connection for motorized valve or solenoid valve 230 V. Connect ground on G, phase on F1 (NC) or F2 (NO). Supply protected with 10 A fuse.



3) Connection for pump control (optional). If electrical connection on site is preferred, this unswitched outlet 230 V may be used.



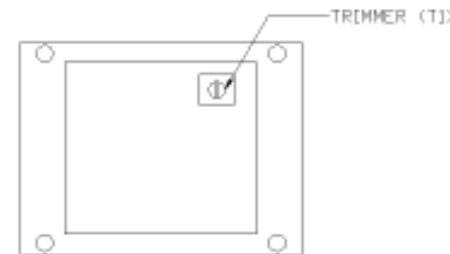
4) Mains supply of MWRC, 230 V, is complete with cord and connector as well as piggy back plug suitable for connection to a pump and its control device.



Calibration of the MWRC2

To calibrate the MWRC2 please follow these instructions:

- 1) Place the sensor on the bottom of the tank full of rain water
- 2) Turn the trimmer (T1) so as to turn on all the LED up to MAX.
- 3) Verify the correct functioning of the system by moving the sensor by hand from the bottom to the top of the tank. Check to make sure that as the sensor moves upwards, at every change in height a different LED turns off so that as the penultimate LED turns off, the electrovalve blocks the supply of water from the tank.
- 4) In those cases in which it isn't possible to have a full tank, calculate the approximate height of the water and turn the trimmer so as to determine a relationship between the level of the water and the number of LED turned on (Ex.: tank half full = up to the 5th LED turned on.)



Trimmer position:
inside of box on the rear of the front panel