

Water Level Controller

GC2200



Specification

Nominal voltage	220Vac \pm 20%
Frequency	50 Hz
Distance between GC2200 and probes	\leq 1000 m (with 2.5 sqmm control cable)
Relay type	SPDT – Contact rating 5A (cos ϕ = 1), 250 Vac
Burden	5VA / 4W (max)
Operating temperature	0° C ... +50° C
Storage temperature	-10° C ... +70° C
Relative humidity	95% (non condensing)
Weight	254 gr
Mounting	DIN rail 35 x 7.5 mm

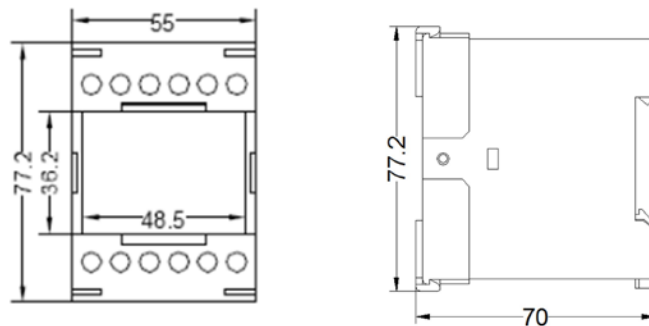
Function

GC2200 Water Level Controller detects water level(s) inside storage tank and/or an elevated tank.

The output relay – connected to external mechanical contactor or electronic switch - provides an automatic control to water pump operation.

The output relay energizes and the green OUTPUT RELAY LED lights when the water level inside elevated tank is sensed under T2 probe and at the same moment enough water detected inside the storage tank (i.e. water level in storage tank is over S2 probe). The output relay de-energizes and the OUTPUT RELAY LED goes out when elevated tank is full of water (i.e. when GC2200 detects water level is above T1 probe). The output relay de-energizes timelessly when GC2200 detects only a little water inside the storage tank (i.e. water level stays under S2 probe). The GC2200 units are self powered.

Dimension (mm)



Installation

GC2200 Water Level Controller designed for mounting on standard DIN rails. Mounting involves hooking the top edge of the cutout on the base of the case over one edge of the DIN rail. The opposite side of the cutout containing the release clip is then pushed over the opposite side of the DIN rail. To remove or reposition the relay, lever the release clip and move the relay as required.

GC2200 relays should be installed in a dry, vibration free location where the ambient temperature does not exceed the operating temperature range. Connections to the relay should be made using wire that meets applicable codes and is properly sized for the application.

Figure 1 shows the terminal connections for GC2200 when used to provide water sensing inside storage and elevated tank.

S1, S2, and S3 terminals shall be connected to its respective high, middle, and low probe of storage tank. T1, T2, and T3 terminals are connected to the high, middle, and low probe of elevated tank.

Figure 2 shows the terminal connections for GC2200 when used to sense water in elevated tank. S1 shall be connected to S3 terminal by at least 1.5 sqmm jumper cable. Let S2 terminal open circuited. T1, T2, and T3 terminals are connected on to the respective high, middle, and low probe of elevated tank.

Figure 3 shows the terminal connections for GC2200 when used to sense water in storage tank. Let T1, T2, and T3 terminals open-circuited. S1, S2, and S3 terminals are connected to the respective high, middle, and low probe of storage tank.

Figure 1

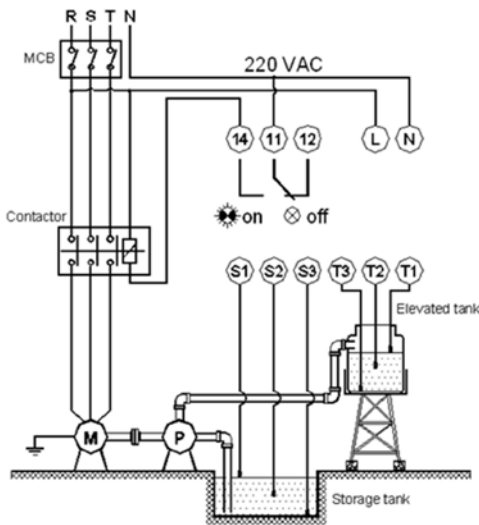


Figure 2

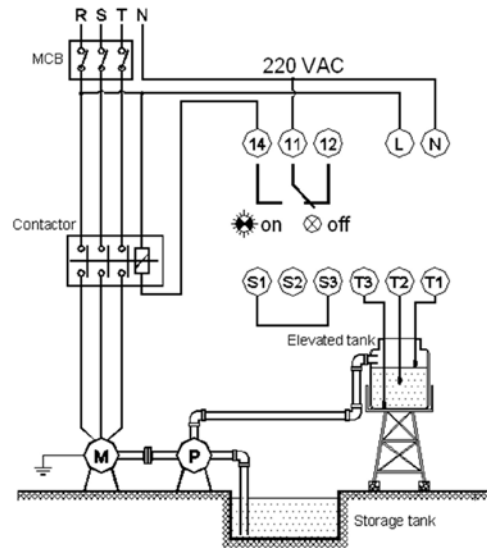
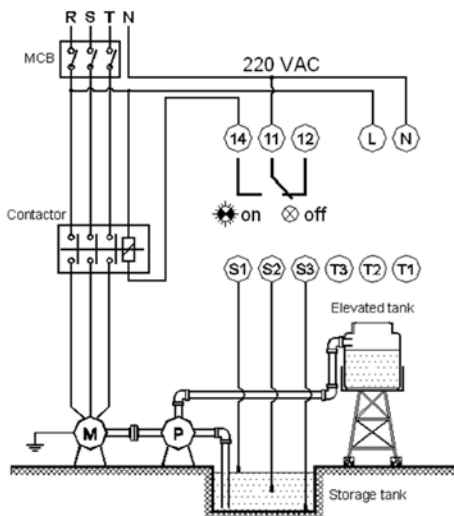


Figure 3



Ordering Code

No.	Ordering Code
1	40800