

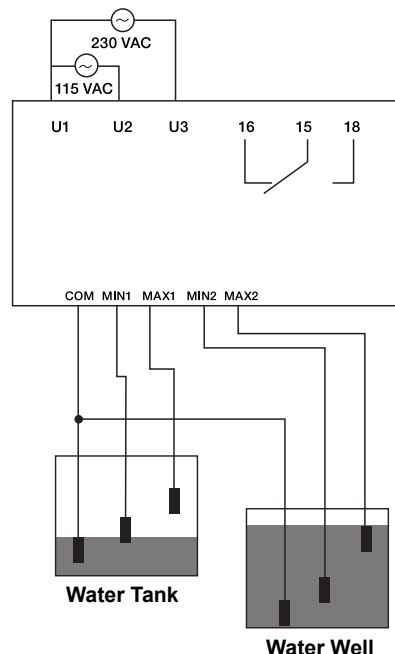
- » Product Design in accordance with TS EN 60255 standard
- » 36mm body conforming to DIN standard
- » Orange LED indicator for relay status
- » Loading and Unloading functions
- » Adjustable 2, 3 and 6 probe usage
- » 10 A SPDT relay output
- » Microprocessor Based
- » High precision and high mechanical strength

Product Guide			
Products	Stock Code	Sensitivity Adjustment	Probe Number
K2LC-D2-115-230	270299	1kΩ-75kΩ	6



Technical Details	
Operating Voltage	U1-U2 (115 V AC $\pm$ %10) U1-U3 (230 V AC $\pm$ %10)
Operating Frequency	50 / 60 Hz
Supplying Terminals (Burden)	U1-U2-U3 (20kΩ)
Probe Inputs	COM, MIN1, MAX1, MIN2, MAX2
Sensitivity Adjusment	1kΩ-75kΩ
Nominal Voltage Delay	ton: 0.1-10 s toff: 0.1-10 s
Energization Delay	< 1 sec
Outout Contact	1 C/O
Max. Switching (Voltage / Current / Power)	250VAC / 10A / 1250VA 30VDC / 5A / 150W
Over Voltage Category (IEC 60664)	CAT III
Cable Cross Section	0.2-2.5mm ² / AWG 14-26 solid or stranded
Screw Tightening Torque	0.6 Nm
Cable Stripping Size (Min/Max)	8 mm / 9 mm
Power Consupion	< 13 VA
Operting Temperature Range	-20 / +60 °C
Max Surrounding Air Temperature	50°C
Protection Degree (IEC 60529)	IP 20
Pollution Degree	2

NOTE: Use 60/75°C copper (CU) wire only.



LIQUID LEVEL CONTROLLER

Operating Mode	Relay Actions	LED Display
3 Probe Up In this operating mode, COM, MIN1 and MAX1 terminals used as sensor input. The liquid level becomes active when disconnected from the MIN probe, It becomes deactivated when the connection is made with the MAX probe.		1) U (Green) LED Lights continuously when the device is energized. During relay operation delays (on-delay / off-delay), the corresponding LED flashes. 2) Relay (Orange) LED lights up when the relay is activated. 3) If there is MIN1 signal, MIN (Yellow) LED lights up continuously. 4) If there is MAX1 signal, MAX (Yellow) LED lights up continuously.
3 Probe Down In this operating mode, COM, MIN1 and MAX1 terminals used as sensor input. The liquid level becomes active when connected with the MAX probe, It becomes deactivated when the disconnection is made with the MIN probe.		1) U (Green) LED Lights continuously when the device is energized. During relay operation delays (on-delay / off-delay), the corresponding LED flashes. 2) Relay (Orange) LED lights up when the relay is activated. 3) If there is MIN1 signal, MIN (Yellow) LED lights up continuously. 4) If there is MAX1 signal, MAX (Yellow) LED lights up continuously.
2 Probe Up In this operating mode, COM, MIN1 or MAX1 terminals used as sensor input. The liquid level becomes active when disconnected from the MAX or MIN probe, It becomes deactivated when the connection is made with the MAX or MIN probe.		1) U (Green) LED Lights continuously when the device is energized. During relay operation delays (on-delay / off-delay), the corresponding LED flashes. 2) Relay (Orange) LED lights up when the relay is activated. 3) If there is MIN1 signal, MIN (Yellow) LED lights up continuously. 4) If there is MAX1 signal, MAX (Yellow) LED lights up continuously.
2 Probe Down In this operating mode, COM, MIN1 or MAX1 terminals used as sensor input. The liquid level becomes active when connected with the MAX or MIN probe, It becomes deactivated when the disconnection is made with the MAX or MIN probe.		1) U (Green) LED Lights continuously when the device is energized. During relay operation delays (on-delay / off-delay), the corresponding LED flashes. 2) Relay (Orange) LED lights up when the relay is activated. 3) If there is MIN1 signal, MIN (Yellow) LED lights up continuously. 4) If there is MAX1 signal, MAX (Yellow) LED lights up continuously.
6 Probe Mode In this operating mode, COM, MIN1, MAX1, MIN2 and MAX2 terminals used as sensor input. This mode is used to transfer from waterwell to water tank. The relay is activated when the tank is empty (COM-MIN1 open circuit) and the well is full (COM-MAX2 short circuit). The relay remains active until the tank is filled (COM-MAX1 short circuit) or the well becomes empty (COM-MIN2 open circuit). The relay will not activate again until the tank becomes empty (COM-MIN1 open circuit)		1) U (Green) LED Lights continuously when the device is energized. During relay operation delays (on-delay / off-delay), the corresponding LED flashes. 2) Relay (Orange) LED Lights when the relay is active. 3) MIN (Yellow) LED Flashes when only the MIN2 signal is present; remains continuously on when the MIN1 signal is also present. 4) MAX (Yellow) LED Flashes when only the MAX2 signal is present; remains continuously on when the MAX1 signal is also present.

