

Ultrasonic Level System Model UCDR-1



Ultrasonic Controller Model UCDR-1



Sensor #1



Sensor #2

Specifications-ULTRASONIC CONTROLLER-MODEL UCDR-1

Inputs: Ultrasonic Sensor, Model #1 or Model #2

Outputs: 4-20 mA and (4) Relays 10 AMPS, 110 VAC

Supply Voltage: 110/220 VAC or VAC 24 VDC

Total Current Draw: 0.10 A

Housing: fiberglass polycarbonate 10" X 8" X 8" dimensions

Ratings: NEMA 4X

Response Time: programmable

Resolution: 0.1 in. (2.5 mm)

Display: 1 in. LED 8 character

Adjustments: programmable keypad

Operating Temp: -22 to 140 F (-30 to 60 C)

Sample Rate: programmable (80 m sec. to 10 secs.)

Sensor Connector: terminal strip, (2) wire twisted pair

Options: High and Low Level Strobe Lights

Sensor Types

Sensor #1

Sensor #2

Application:	wet corrosive	wet corrosive
Operating Range:	1 to 25 ft. (0.3 to 7.6 m)	4 to 72 in. (102 to 1829 mm)
Housing:	PC/PET blend	PC/PET blend
Transducer Type:	PVDF-faced ceramic	PVDF faced
Ratings:	IP65	IP65
Approvals:	CSA/US Class I, Div. 2 (pending)	CSA/US Class I, Div. 2 (pending)
Operating Temp:	-40 to 140°F (-40 to 60°C)	-22 to 140°F (-30 to 60°C)
Temp Compensation:	internal	internal
Accuracy (with no temp gradient):	0.25% of range	0.25% of range
Beam Pattern:	9° off axis	9° off axis
Cable:	10 ft. (3 m) two conductor shielded standard; RG-6 coaxial or micro connector option	10 ft. (3 m) two conductor shielded standard; RG-6 coaxial or micro connector option