



LOOP POWER LCD

Wall Display for 4-20 mA Devices

The A/LCD-R-4-20MA is a low power, high accuracy, 3.5 digit LCD display module that is available in an attractive wall mount enclosure. The A/LCD-R-4-20MA may be used with any 4 to 20 mA loop powered Temperature, Relative Humidity, Current, and Differential or Gage Pressure transmitter. The display can be calibrated for any range between (-) 1999 and 1999 and has factory set descriptors which include C, F, and a decimal point. A great solution for remote monitoring of any 4-20 mA loop powered device, these units are designed to be mounted over a single gang junction box or hole in the wall using drywall anchors. Screw

terminal blocks are available for making all connections to your building management system (network). An optional 1/8" Black foam pad with pressure sensitive adhesive is available to insulate the sensor from thermal drafts within the wall or wall surface. A 1/16" Hex driver is needed to secure the cover from being easily removed.

Applications: Remote Monitoring of any 4-20 mA Output Device

ACI's LCD-R series is covered by ACI's Five (5) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's website, www.workaci.com

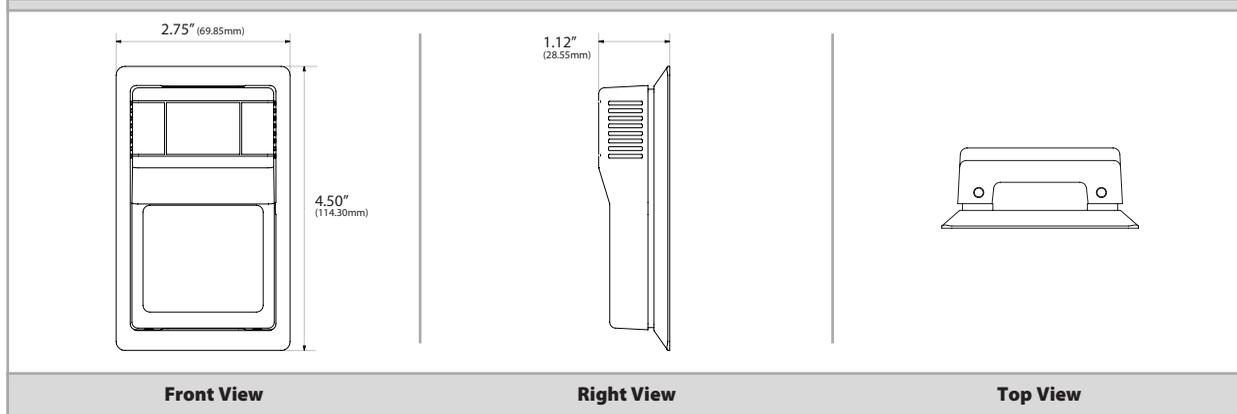
PRODUCT SPECIFICATIONS

Input:	2 Wire, 4-20 mA current loop
Maximum Voltage Drop:	+7 VDC for LCD Display
Display Accuracy:	+/- 0.5% of span
LCD Resolution Descriptors:	3 ½ Digit LCD (-199.9 to 199.9) F (Fahrenheit), C (Centigrade) or No Descriptor
Override Contact Type Contact Ratings:	Dry Contact "N/O" Contact Minimum: 10 uA @ 1 VDC; Maximum: 50 mA @ 24 VDC
Override Contact Resistance Life Expectancy:	0.1 Ohms maximum 100,000 Cycles
Set Point Accuracy:	+/- 10% 4-20 mA: 4 mA (Far Left) 20 mA Far Right (DA- Direct Acting (Default) 20 mA (Far Left / 4 mA Far Right (RA- Reverse Acting (Optional)
Setpoint Indication:	Cool/Warm
Setpoint Supply Voltage: (4 to 20 mA Only):	+24 VDC +/-10%
Operating Temperature Range:	35 to 131°F (1.5 to 55°C)
Storage Temperature Range:	-40 to 160°F (-40 to 71°C)
Operating Relative Humidity Range:	5 to 95% non-condensing
Enclosure Color:	Beige (Standard)
Enclosure Material UL Flammability Rating:	ABS Plastic UL94-HB
Connections Wire Size:	Screw Terminal Blocks 16 (1.31 mm ²) to 26 AWG (0.129 mm ²)
Terminal Block Torque Rating:	0.5 Nm (Minimum); 0.6 Nm (Maximum)
Product Dimensions:	(L) 4.50" (1.00 mm) x (W) 2.78" (70.6 mm) x (H) 1.00" (25.4 mm)
Product Weight:	"-R/RS/RO" Series: 0.17 lbs (0.375 kg) "-RSO" Series: 0.21 lbs (0.46 kg)
Agency Approvals:	RoHS2, WEEE





DIMENSIONAL DRAWING



STANDARD ORDERING

Model # Example: **A/LCD-R-420** -OR- **122451**

Model #	Item #	Description
A/LCD-R-420	122451	Room with Display, 4-20 mA Loop Power
A/LCD-RO-420	139485	Room with Display, Override, 4-20 mA Loop Power
A/LCD-RS-420*	122454	Room with Display, Setpoint, 4-20 mA Loop Power
A/LCD-RSO-420*	122463	Room with Display, Override, Setpoint, 4-20 mA Loop Power

Note*: Must specify a Temperature Span in °F, °C or Descriptor

ACCESSORIES ORDERING

Model # Example: **LOCKING COVER** -OR- **107370**

Model #	Item #	Description
A/MOUNTING PLATE BEIGE R	106821	Wall Mounting Back Plate, Plastic, Beige ("R")
A/MOUNTING PLATE WHITE R	143369	Wall Mounting Back Plate, Plastic, White ("R")
LOCKING COVER	107370	Clear Thermostat Guard, Locking Cover, Low Profile
A/ROOM-FOAM-PAD	125690	1/8" Foam Insulation Pad with Adhesive (3" x 2", Black)

