

ROC300-Series Local Display Panel

The ROC300-Series Local Display Panel (LDP) is a monitoring device that provides users access to the process and operational information contained in a ROC300-Series Remote Operations Controller. If the ROC has a FlashPAC installed, then the LDP can also be used to change the value of numeric parameters. The unit can be mounted in the door of a ROC enclosure, where it is protected by a swing-up cover. The LDP is powered by the ROC and communicates to it through a dedicated port located on the ROC.

The display panel consists of a four-line by twenty-character liquid crystal display (LCD) and four membrane pushbuttons. Each of the four pushbuttons has associated with it one or more functions that are determined by software. The function label is displayed directly above each pushbutton on the last line of the display area. Some of the labels and their functions are shown in the Pushbutton Functions table on the next page.

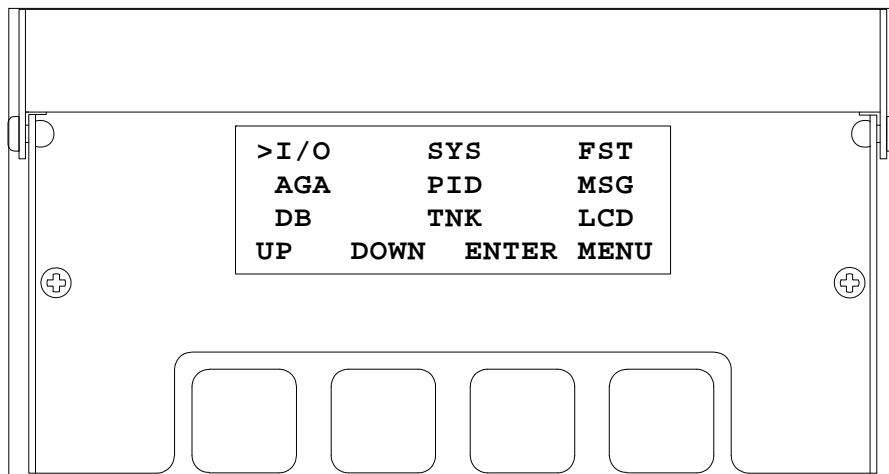
The display panel uses both menu and point displays to convey ROC information. Menu displays list either other menu displays or point displays. The point displays provide current, relevant information specific to a point.

The starting point for all information retrieval is the main menu. The main menu provides access to these point menus:

- ◆ I/O Points
- ◆ System Parameters
- ◆ FST Points
- ◆ AGA Points
- ◆ PID Points
- ◆ Message Points
- ◆ Database Points
- ◆ Tank Points (ROCs with ROCPAC only)
- ◆ LCD Points.

Dis	DI #1	PT#	A13
OFF		EU	0.00
ACC	160461		
SCAN	NEXT	PREV	MENU

Typical Point Display



Local Display Panel Showing Main Menu

D301020X012

Specifications

DISPLAY

4-line by 20-character LCD. Display size 1 by 3-inch. Temperature compensated for constant contrast.

PUSHBUTTONS

Four contact-type with weather-proof membrane cover.

PORTS

Connects to DISPLAY or DSPL port on ROC with cable supplied (2 ft. and 7.5 ft. lengths available).

POWER REQUIREMENTS

4.75 Vdc to 5.25 Vdc, 2.5 mA nominal, and -4.50 to -5.25 Vdc, 2.0 mA nominal, both supplied by ROC.

DIMENSIONS

20 mm D by 127 mm W by 133 mm H (0.8 in. D by 5 in. W by 5.25 in. H).

ENVIRONMENTAL

Operating Temperature: -20 to 70°C (-4 to 160°F).

Storage Temperature: -50 to 85°C (-58 to 185°F).

Operating Humidity: To 95% relative humidity, non-condensing.

EMI Emissions: Meets FCC Class A requirements when installed in a metallic ROC enclosure with cable in a conduit, shielded or inside enclosure.

WEIGHT

0.77 kg (1.7 lb) nominal.

APPROVALS

Approved by CSA for hazardous locations Class I, Division 2, Groups A, B, C, and D.

Pushbutton Functions

LABEL	FUNCTION
UP	Move cursor up
DWN	Move cursor down
ENTER	Activate item pointed to by cursor
MENU	Return to menu last used
SCAN	Monitor point display in an updating mode
NEXT	Go to next display
PREV	Return to previous display
AUTO or HOLD	Stop display from updating or scrolling

The display panel can be ordered in one of two ways: (1) factory-installed in a ROC enclosure, or (2) a kit that can be installed in the field, provided the ROC enclosure door has the factory cutouts.

The kit is available with display interface cables in two lengths: 2 feet and 7.5 feet. Use the longer length in large mountable ROC enclosures.

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