

L97 SERIES

MULTIPOINT CAP SWITCH

Multipoint capacitive level sensors use a capacitance technique designed for industries that monitor & control up to 4 points of their equipment's liquid level. Output relays are used to operate industrial equipment to turn them ON/OFF (examples: motors, fans, heaters, compressors, pumps, etc.)



Introduction

The L97 Capacitance Level Transmitter is a highly customizable device for measuring liquid level in various tanks and other enclosures. The probe can be custom designed to meet the unique needs of the end-user and application, and the device can be calibrated to provide continuous level data in the environment.

The L97 has two display options: No Display and an OLED Display for applications where visual calibration and monitoring is necessary. Both display options come with configurable analog outputs, but the OLED Display also has relay outputs for users looking for a sensor that can also provide switching function.

Key Features

- 4 configurable latching relays for switching functions
- Operating temperature up to 392°F (200°C), operating pressure up to 300psi
- Fully customizable probe length
- Durable stainless steel construction for more hazardous environments
- Optional OLED display for continuous monitoring of level, output, and switch status



Specifications

Capacitive level sensor use capacitance technique conceptualized for applications in the liquid industries where up to 4 points of the liquid level need to be monitored or controlled. Output relays are used to operate industrial equipment/apparatus to turn them ON/OFF for example fan, motor, heater, compressor or pump etc.

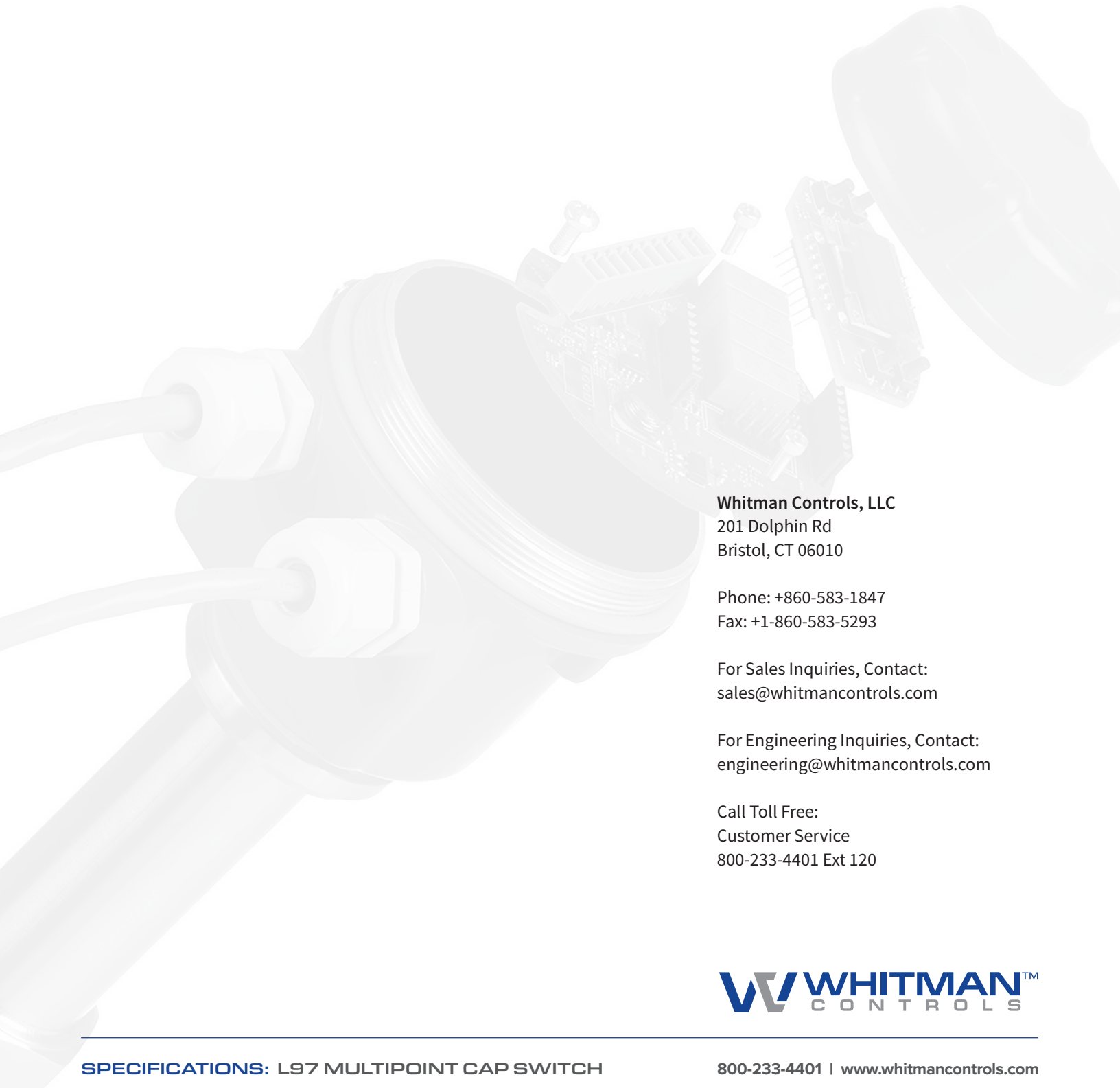
Power Details

INPUT:	12-24VDC, 2 WATT
OUTPUT:	4 RELAY OUTPUT, CONFIGURABLE AT ANY LEVEL FULL SCALE 30 VDC, 2 A (RESISTIVE) 125 VAC, 0.5A (RESISTIVE) Relay operates with 1% hysteresis full scale
OPERATING TEMP:	- 20°C to 80°C
EXTENDED TEMP:	- 30°C to 200°C
OPERATION PRESSURE:	UP TO 300 PSIG
RESPONSE TIME:	1 sec
PROCESS CONNECTIONS:	See cap transmitter data sheet
ELECTRICAL CONNECTIONS:	Cable, DIN or M connector
WETTED MATERIAL:	PTFE, Ceramic, S.S
MATERIAL:	Housing: Cast Al
	Probe tip: S.S, PTFE
	seal: Ceramic
SENSING PROBE LENGTH:	See cap transmitter data sheet
IP:	IP67

Order Guide

L97 Series					Environmental				
Dx	Hxx	Tx	Sx	Ix	Gx	Wx	Px	Cx	Lxxx
Display	Enclosure	Material Temperature	Sensing Surface Material	Insulation Type	Sensor Extension Material	Stilling Well Material	Process Connection Type	PROCESS CONNECTION MATERIAL	INSERTION LENGTH
DN: No Display	HAN: Aluminum Non-Hazardous	T1: max 80°C	S6: SS-316	I0: None	G0: None	W0: None	PB1: BSP 1"	C0 NONE	150MM TO 3,000MM
DL: OLED Display	IP-66/68	T2: max 200°C	SL: SS-316L	IP: Partly PTFE insulated	G4: SS-304	W4: SS-304	PB2: BSP 1 1/2"	C4 SS-304	
		TS: Customer specified	ST: PTFE coated	IT: Full PTFE insulated	G6: SS-316	W6: S-316	PB4: BSP 1 1/4"	C6 SS-316	
			SF: PFA coated	IC: Partly Ceramic insulated	GL: SS-316-L	WL: SS-316-L	PB5: BSP 2"	CL SS-316L	
			SS: Special surface		GS: Special material	WS: Special material	PN: NPT 3/4"	CS Special material	
							PN1: NPT 1"		
							PN2: NPT 1 1/2"		
							PN4: NPT 1 1/4"		
							PN5: NPT 2"		
							PFL: Flanged Type - Description of flange at the end of order code		

Contact



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