Integrated Control Systems

ES1 Emergency Stop Switch
With LED Option
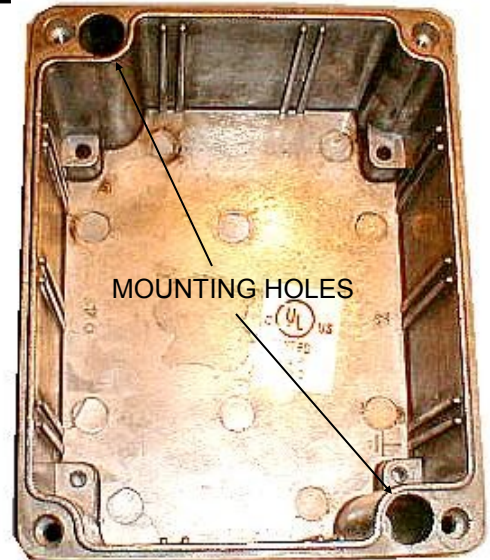### INSTALLATION INSTRUCTIONS
For ES1-SP or ES1-DP

Fig. 1

The ES1 is an emergency stop switch which satisfies the requirements of NFPA 30a, CH4, Section 4-1.2. It contains a UL listed switch, with a heavy duty cast aluminum, NEMA-4X cabinet, which is gasket sealed for outdoor use.

1. To install the ES1, select a suitable mounting location which complies with all applicable codes. This is usually a location 20 to 100 feet from the fueling island.

2. Mount the ES1 by removing the front cover, and bolting the ES1 down through the existing mounting holes at opposite corners of the enclosure. See Fig. 2 for mounting hole locations. Using these mounting holes will insure that the cabinet remains water tight. If these mounting holes cannot be used, seal any other holes drilled with silicone sealant.

3. Drill a hole at the bottom of the cabinet for the required size of conduit fitting. Do not have the conduit enter the enclosure from the top or side, as water will run down the conduit and corrode the switch contacts. If the conduit is coming from above, make a J bend in the conduit and connect it to the bottom of the enclosure.

4. Connect the wires to the switch block. The ES1 switch is normally closed, so the contacts will be open when pressed. Requirements vary on wiring of emergency stop switches, but the safest configuration is to have the ES1 interrupt all power to the island when pressed.

5. Attach the front cover of the ES1 and tighten the screws.   Installation is now complete.

6. If the LED option is installed, connect the black and white wires of the LED driver to AC power. The LED may be wired to light constantly, or only when the switch is pressed.

Fig. 2

MOUNTING HOLES

SPECIFICATIONS					
CABINET		**SWITCH**		**LED OPTION**	
Material:	Heavy Duty Cast Aluminum	Type:	Normally Closed SPST or DPST	Type:	High Bright LED
Hardware:	Stainless Steel	Rating:	10A@120VAC or 6A@240VAC	Rating:	65-265VAC
Classification:	NEMA 4X – weather sealed	MTBF:	10,000 Operations	MTBF:	50,000 Hours
Listings:	UL (US and Canada)	Listings:	UL (US & Canada) CE	Listings:	IP67 Waterproof
Case Size:	4.5" x 3.5" x 1.25"				