



# Bid Specifications

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<b>Subject:</b> IC Soft-Glo Tank Level Monitors				

## IC Soft-Glo Tank Level Monitor System

Innovative Controls Soft-Glo Series Tank Level Monitors shall be installed. The system shall be CAN Bus-capable and include a variety of electronic display modules and CAN extension cables. The display modules are divided into 4 distinct sections that show the volume of (Water or Class A Foam or Class B Foam) in the tank using multi-color and programmable superbright LEDs. Tank level indication is enhanced by the use 180° wide-angle diffusion lenses in front of the LEDs. The LEDs are diffused by a proprietary method that creates an illumination effect that remains bright but eliminates the typical irritation to an operator's eyes traditionally caused by bright LEDs.

IC Soft-Glo displays are available in various sizes and treatments: pump panel main displays, in-cab mini displays and mini monster strip lights. Each display is available in multiple color, icon and bezel options designed to designate the display as either a Water, Foam A, Foam B, or Generic Foam display. All wiring, cables and connectors shall be waterproof without the need for sealing grease.

## Main Pump Panel Mounted Tank Level Display

Innovative Controls Soft-Glo Tank Level Monitor(s) shall be installed. A kit shall include an electronic display module, a pressure sensor, and a 10' sensor cable. The display shall show the volume of water in the tank using 4 distinct illuminated levels. Tank level indication is enhanced by the use 180° wide-angle diffusion lenses in front of the LEDs. The LEDs are diffused by a proprietary method that creates an illumination effect that remains bright but eliminates the typical irritation to an operator's eyes traditionally caused by bright LEDs. The display will be labelled with blue labels for a water tank, green labels for a Class A foam tank, and yellow labels for a Class B foam tank. Product trim bezels are available in black, chrome, blue, green, and yellow.

The program features shall be accessed from the front of the display module using magnetic switches. The program shall support self-diagnostics capabilities, self-calibration, multiple programmable colored light patterns to display tank volume, adjustable brightness control levels and a datalink to connect remote mimic displays. The indicator shall have an output for an audio alarm, warning indicator signal, and/or a valve/actuator control signal. The indicator shall receive an input signal from an electronic pressure sensor. The sensor shall be mounted from the outside of the water or foam tank near the bottom.

Location of the main pump panel mounted display shall be:

## Mini In-Cab Dash-Mounted Display

Innovative Controls Soft-Glo Mini Dash Tank Level Display(s) shall be installed in the cab. The display(s) shall show the volume in the tank on 4 distinct illuminated levels. Tank level indication is enhanced by the use 180° wide-angle diffusion lenses in front of the LEDs. The LEDs are diffused by a proprietary method that creates an illumination effect that remains bright but eliminates the typical irritation to an operator's eyes traditionally caused by bright LEDs. The display shall mimic the main pump panel mounted display via CAN Bus. The display will be labelled with a blue label for a water tank, green label for a Class A foam tank, and yellow label for a Class B foam tank.

Location in cab of mini dash display shall be:

### Mini In-Cab Rocker Switch Insert Display

Innovative Controls Mini Rocker Switch Insert Tank Level Display(s) shall be installed in the cab. The display(s) shall show the volume in the tank on 4 distinct illuminated levels using 4 discrete LEDs. The display shall mimic the main pump panel mounted display via CAN Bus. The display shall be sized to fit in a cutout for a typical 1" wide rocker switch (such as Carling Tech). The display will be labelled with a blue label for a water tank, green label for a Class A foam tank, and yellow label for a Class B foam tank.

Location in cab of mini rocker switch insert display shall be:

### Mini Monster Strip Light Display

Innovative Controls Soft-Glo Mini Monster Strip Light Display(s) shall be installed. The display(s) shall show the volume in the tank on 4 distinct illuminated levels. Tank level indication is enhanced by the use 180° wide-angle diffusion lenses in front of the LEDs. The LEDs are diffused by a proprietary method that creates an illumination effect that remains bright but eliminates the typical irritation to an operator's eyes traditionally caused by bright LEDs. The display shall mimic the main pump panel mounted display via CAN Bus. The display(s) can be labelled with blue labels for a water tank, green labels for a Class A foam tank, and yellow labels for a Class B foam tank. Generic black labels are also available. Product trim bezels are available in black or chrome.

Location of mini monster strip light display shall be:

