DS 05-13

Civacon offers the latest technology in the Quick Start Overfill Sensors. This circuitry design will work with Civacon ROM II monitors as well as any Quick Start 2-Wire System.

Optic overfill sensors detect the presence of liquid at a preset level. The Civacon Quick Start white/black Sensor is fully backward compatible with our current Quick-Start™ Sensors and Monitors, as well as all industry standard signal formats. These Quick Start Sensors feature an exclusive, *nonpolarized digital electronic circuitry design* that will work directly with 2-wire (green plug) loading racks when wired directly to a green "thermistor" socket, as well as with all on-board Monitors like the Civacon ROM II. The sensor's non-polarized electronic design means **not having to worry** about the sensor's polarity anymore. With their 2-wire industry compatible signal format, they are a perfect choice for your 2-wire overfill detection sensor applications.

These innovative features & benefits are also available in our 5-wire and 2-Wire ROM sensors.

Overfill Features

• 2-Wire Quick Start Sensor will work with ROM II and Quick Start 2-Wire Systems

• New digital electronics with extended temperature-stabilized Potting

• Dual o-ring seals in housing for improved sensor shaft-to-housing Sealing

• Still the industries best *single flat surface* optic prism design!

• Completely new Housing and molded non-corrosive Cap design

• No tools required for access, or adjustment of probe

• Approved to North American, Europe (ATEX) and World (IECEX) Standards

• Operating Temperature -40º F (-40º C) to 160º F (71.1º C) Storage Temperature -70º F (-56.6º) to 280º F (137.7º C)

• OPTIONAL: Tamper Evident Tab on cap lets you add a seal to prevent sensor height tampering (sensor can not be adjusted

Sensor Tube Retaining Spring Squeeze ends together to adjus sensor height.

Tamper Evident Tab

PHONE: (816) 741-6600 • (888) 526-5657 • Fax: (816) 741-1061
4304 Mattox Road • Kansas City, MO 64150 • **www.civacon.com**

Rev. A, MAY 2013

Product Specifications

Product Number

1551-007B, 0012B or 0018B (See Below)

1651-007B, 0012B or 0018B (See Below)

Sensing Length Adjustability
See Drawing

Product Range
Refractive Index 1.37 to 1.60
Viscosity of less that 1000 SSU

Electrical Leads
Two 18 ga. Stranded Wire
26" Long (White/Back in Color)

Weight
1.15 lbs. (0.521 kg) (with housing)

Temperature Range
Operating Temperature -40º F (-40º C) to 160º F (71.1º C)
Storage Temperature -70º F (-56.6º) to 280º F (137.7º C)

Materials
Sensor Cap - Glass-Filled Nylon
Cap O-ring - Silicone
Sensor Housing - Aluminum
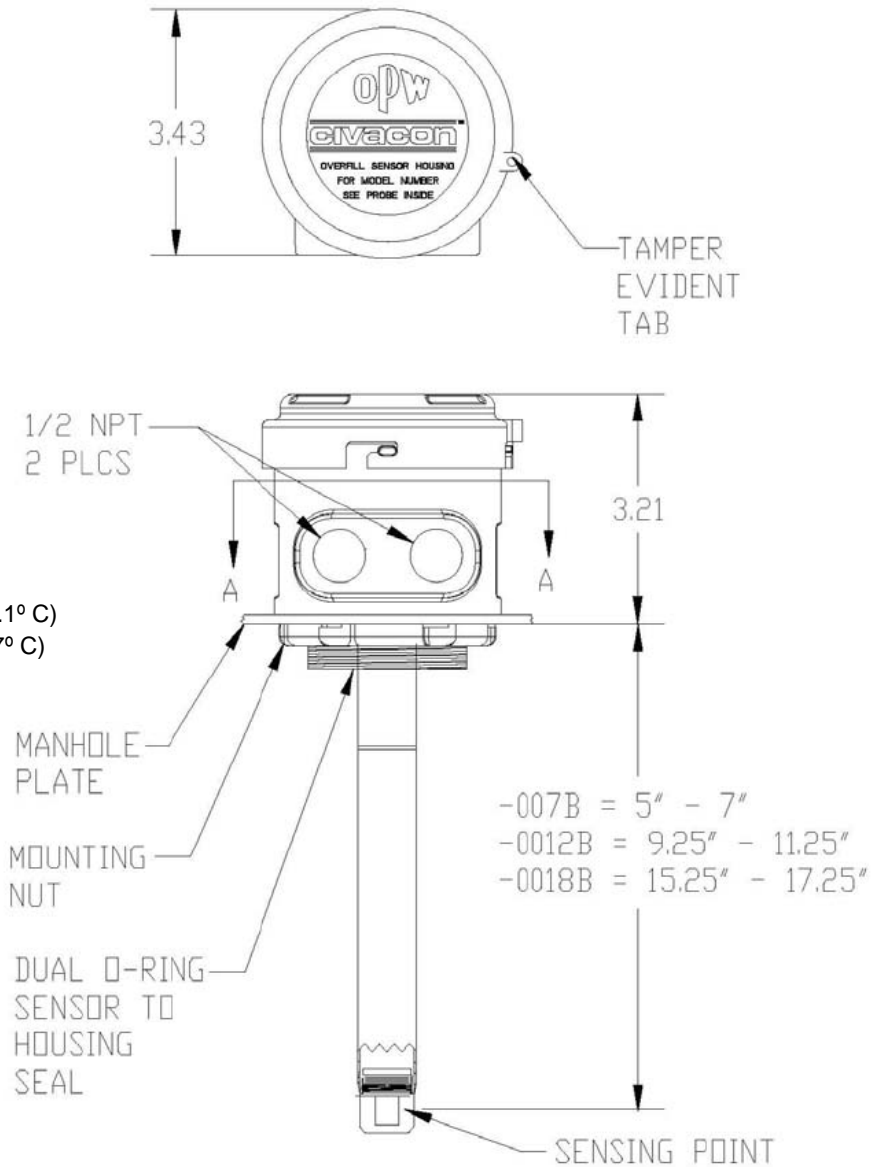Mounting O-ring - Viton
Locking Nut - Plated Steel
Sensor Shaft - Aluminum

Approvals
North America
Europe (ATEX)
World (IECEX)

Part Number	Description
1551-007B	Optic QS Overfill Sensor, 2-Wire, 2" NPT Parallel Port Housing, 7"
1551-0012B	Optic QS Overfill Sensor, 2-Wire, 2" NPT Parallel Port Housing, 12"
1551-0018B	Optic QS Overfill Sensor, 2-Wire, 2" NPT Parallel Port Housing, 18"
1651-007B	Replacement Optic QS Overfill Sensor, 2-Wire, No Housing, 7"
1651-0012B	Replacement Optic QS Overfill Sensor, 2-Wire, No Housing, 12"
1651-0018B	Replacement Optic QS Overfill Sensor, 2-Wire, No Housing, 18"
1455-1455	2" NPT Parallel Port Housing w/ Cap
12214	Tamper Evident Tab Kit