

## OVERFILL PREVENTION AND GROUND VERIFICATION CONTROLLER

### Security During Loading

The OPW CIVACON 8800E Overfill Prevention and Ground Verification Controller is designed for API bottom loading applications on single and multi-compartment tank trucks at storage depots.

In the event of a possible overfill situation the 8800E output relay sends a signal to a Terminal Automation System, control valve or pump to shut-down the loading operation.

Should proper grounding not be maintained a non-permissive signal, generated by the 8800E, interrupts the loading process immediately. This remote shutdown ability in combination with its enhanced features makes the 8800E the best fail-safe rack monitor available to the industry today.

EN13922 and VOC directive 94/63/EC compliant.

### Features and Benefits

- **Automatic recognition** and switching between OPTIC and THERMISTOR sensor technology
- **Supports** up to 8 two-wire and 12 five-wire sensors
- **Self-checking** ground verification incorporated in cable & plug assembly
- **Two** separate output relays for Overfill and Ground Verification
- **Fail-Safe** redundant output relays
- **LED** status indicator lights
- **Multiple** language LC Display
- **Enhanced** detailed diagnostic readout on graphic display
- **SD** RAM socket
- **Real-time** clock
- **Vehicle data** communication prepared
- **Sophisticated** wireless multiple-function & by-pass key
- **Dead-man switch** prepared
- **Low temperature** useable in extreme environmental conditions as low as -45°C
- **Conforms** to EN13922 and VOC directive 94/63/EC

### Product Specification

Input power supply	110-240 Vac 30VA 50/60Hz
Output relays	250V ac/dc 5AT
Communication	RS485/422 data communication port
Operating temperature	-45°C to +70 °C
Response time	< 400ms
Approvals	ATEX II 2(1)G Ex d ia [ia] IIB T4
Enclosure	IP65 acc. to IEC 60529
Weight	12 kg
Dimensions	310x280x80 mm



### Spare parts

Part number	Description
H71197	Main Seal
H71307	Corrosion Protector VCI-101/ACF-50
EL04141	Mains power input Fuse 2AT
EL04142	Relay contact output Fuse 5AT

### Accessories/Related products

Article nr	Description
7300E	Green Poly Thermistor Plug , 10-pins, 4x J-slot c/w 6 meter coiled blue cable for 2-wire thermistor sensors (non EN13922 applications)
7100E	Blue Poly Optic Plug , 6-pins, 3x J-slot c/w 6 meter coiled blue cable for 5-wire optic sensors (non EN13922 applications)
7450-7450	Storage hanger (for black Euro EN13922 10-pin plug).
7350-7350	Storage hanger (for 6-pin optic plug).
7150-7150	Storage hanger (for 10-pin thermistor plug).

### Ordering specifications

Article nr	Description
8800E-CC/P	8800E, blue coiled cable, black (Euro EN13922) 10-pin plug.
8800E-CC/P/J	8800E, blue coiled cable, black (Euro EN13922) 10-pin plug, junction box.
8800E-CC/P/B	8800E, blue coiled cable, black (Euro EN13922) 10-pin plug, break-away junction box.

other configurations available upon request