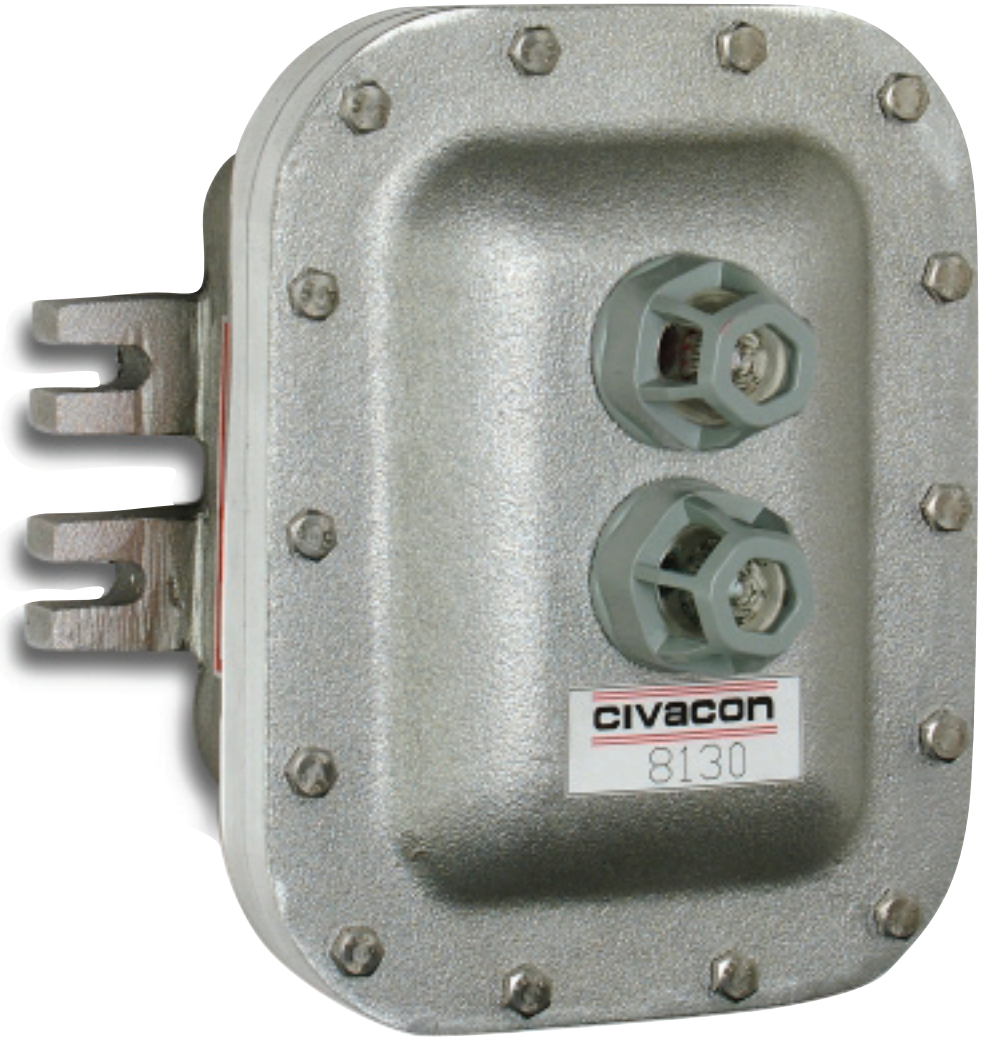
OPTIC SERIES RACK MONITORS

MODEL 8130 OPTIC RACK MONITOR WITH GROUND VERIFICATION



Civacon Model 8130 features include:

- Combined optic monitoring with ground verification in a single unit
- Monitors up to 12 optic compartments
- Utilizes indsutry standard optic signal format
- LED lamps provide long life, reliability
- Light weight yet rugged; easy to handle, mount and instal
- Available with exclusive "Smart Remote" tamper resistant keyed bypass switch; provides flexibility, increased safety

Discover the many advantages of the new Model 8130 — call 888-526-5657 or visit us at www.civacon.com

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	TECHNICAL SUPPORT	(800) 5-CIVACON • (800) 524-8226
	INQUIRIES SALES SERVICE	(888) 526-5657 • fax (888) 634-1433

civacon™
4304 Mattox Road • Riverside, MO 64150
816-741-6600 • fax 816-741-1061
www.civacon.com

ISO 9001 certified

Made In The USA

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CIVACON MODEL 8130
OPTIC RACK MONITOR WITH GROUND VERIFICATION

OPERATION

A unique, pulsed — and intrinsically safe — electrical signal is generated by the control monitor and is transmitted to the sensors via a coiled cord and optic format plug.

When sensors on the transport are dry a signal is returned to the monitor. If the signal meets predetermined characteristics the monitor goes to a "permissive" state. This "permissive" state closes a set of relay contacts which, in turn, changes the status light on the front of the 8100 series optic rack monitor from red ("non-permissive") to green ("permissive") signaling the terminal automation system (T.A.S.).

If the sensor becomes wetted during the loading process, the monitor senses this condition and opens the relay. When the relay is opened, the status light will change to red ("non-permissive") and stops the "permissive" signal that was being sent to the terminal automation system (T.A.S.).

The Model 8130 Optic Monitor with Ground Verification includes displayed status of the optic sensor displaying "permissive" or "non-permissive" status and mode of operation.

SPECIFICATIONS

Operating Temperature:
-40˚F to 158˚F (-40˚C to 60˚C)

Input Requirements:
120VAC 60 Hz, 10 VA (Standard)
240VAC version available — please inquire

Output Relay Contacts:
240VAC — 5A

Response Time:
0.5 seconds maximum, dry to wet transition

Electrical Connections:
Internal terminal strips

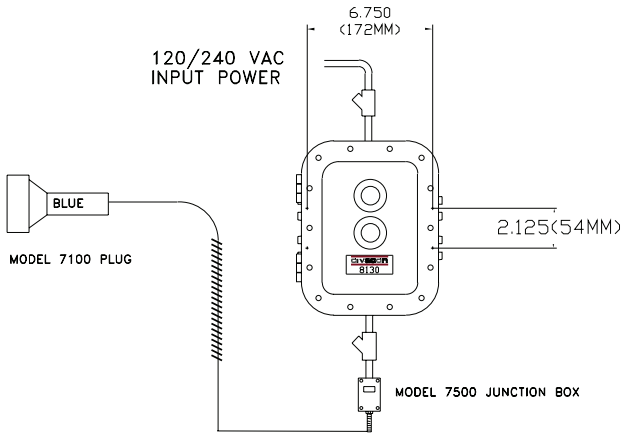
Enclosures:
NEMA 4 explosion proof aluminum housing

Approximate Weight:
8130 — 13 lbs. (6 KG)

Approvals:
UL/CUL Class I, Division I, Groups C&D

Installation Information:
Provided with the monitor. If necessary, installation instructions can be ordered separately at no charge.

DIMENSIONS



ORDER INFORMATION

8130-8130 Optic rack monitor with indicator lamps, integrated ground verification

8150-8150 Optic rack monitor with indicator lamps, ground verification and "Smart Remote" tamper-resistant keyed bypass kit

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