

FT7215 RackMate Single Channel Rack Monitor with Ground Verification



FT7215

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A black circle representing a sensor. Two red arrows point towards it from the left. The top arrow is labeled 'RED' and the bottom arrow is labeled 'RED'. Below the circle, the text 'Sensor: wet' and 'Ground: not verified' is displayed.



RED

BLUE

Sensor: wet
Ground: verified

Diagram illustrating a sensor status: A circular sensor area is divided into two colored regions. The top-left region is green and labeled "GREEN". The bottom-right region is red and labeled "RED". Below the diagram, the text reads "Sensor: dry" and "Ground: not verified".



Diagram of a sensor with a green and blue area. The green area is labeled "GREEN" and the blue area is labeled "BLUE". Below the diagram, the text "Sensor: dry" and "Ground: verified" is displayed.



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Specification	Min.	Max.	Units
supply voltage	100	125	VAC
supply frequency	50	60	Hz
supply power		5	Watts
supply terminal wire gauge	18		AWG
relay contact voltage		120	VAC
relay contact current		5	A
relay terminal wire gauge	20		AWG
operating temperature	-20	60	°C
relative humidity		100	%
ground loop resistance		2200	Ω

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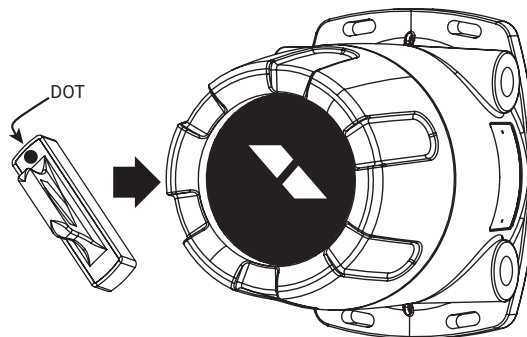
Bypass

If the RackMate SC is connected to equipment that is unable to satisfy the permit conditions, the monitor may be bypassed to enable the loading/unloading process to proceed.



Bypassed wet/dry monitoring may result in overfills or fuel spills. Improper or inadequate grounding can lead to static discharge and ignition. **USE EXTREME CAUTION!**

Once the RackMate SC has been put into bypass mode, it will remain bypassed until the bypass is manually ended (by the same sequence) or 30 minutes has elapsed.



To engage the monitors bypass function, complete the following sequence:

Place fob against front of enclosure, dot at 10 o'clock



Once indicator begins to flash yellow, remove fob



While indicator turns pink, replace fob and immediately remove it



Indicator will turn solid yellow and bypass mode is active



Bypass mode active
Relay Energized

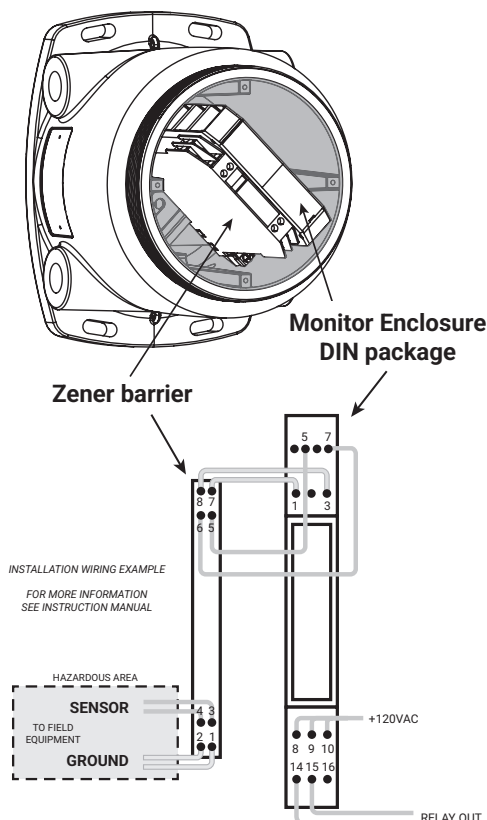


CAUTION: The relay is energized in this state, and ALL safety checks are bypassed.

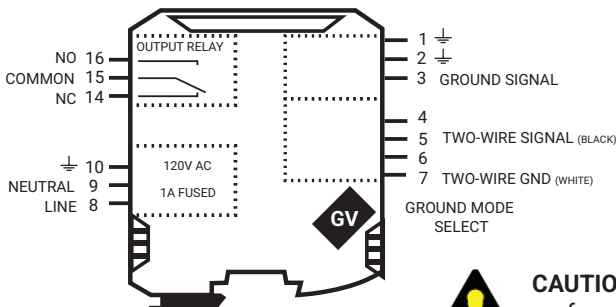
Installation and Hookup

The FT7215 features an explosion-proof enclosure with a glass window. The enclosure features four conduit entries. Within the enclosure are two modules, mounted at 45 degrees: the FT7215 DIN module and the Zener barrier, which are necessary to maintain safe operation in hazardous locations.

FT7215 monitors are suitable for installation in ordinary and specific hazardous locations defined by NEC NFPA70, CEC C22.1, IEC 60079-10, or other standards applicable in the local jurisdiction.



FT7215 DIN Module Terminals



All conduit entries on the enclosure must be sealed with appropriate hazardous location fittings.



CAUTION: Installation should be performed by an appropriately qualified professional.

The FT7200-Series monitors have no parts that will require regular maintenance. For information and technical support please contact Dixon Support
+1.513.874.8499 OR 877.582.3569

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