



# MANUAL: Remote Control (RC) Monitor For Hazardous Locations (ATEX)

Supplemental Instructions for use with RC Monitor Manual

## INSTRUCTIONS FOR INSTALLATION, SAFE OPERATION AND MAINTENANCE



Read instruction manual before use. Operation of this device without understanding the manual and receiving proper training is a misuse of this equipment. A person who has not read and understood all operating and safety instructions is not qualified to operate a TFT RC Monitor.

For TFT RC Monitors and Controls intended for use in hazardous locations, the following instructions are applicable IN ADDITION to those provided in the following documents:

- LIY-300 Tornado RC Monitor Manual
- LIX-300 Hurricane RC Monitor Manual
- LIY-050 Typhoon RC Monitor Manual
- LIY-200 Monsoon RC Monitor Manual
- LIY-500 Remote Control (RC) Monitor Electrical Controls

### Applicable Hazardous Locations

TFT ATEX RC Monitors and Nozzles are designed, tested and approved for use in Classified Hazardous Locations as defined by European Directive 94/9/EC, commonly referred to as the ATEX Directive. Further classification identifies that Zone 2, Category 3 environments are suitable locations for this equipment. It is important to note that **only the TFT RC Monitor and Nozzle are certified for installation in the hazardous area.** TFT RC Monitor Operator Stations may be used to control monitor functions, but must be installed outside of the hazardous area. It is the responsibility of the facility design engineer to determine suitable location and connection of components for use in the hazardous environment based on electrical, mechanical, and hydraulic requirements as well as the hazardous location classification.

### Product Markings

TFT RC Monitors that are constructed for hazardous location applications will be marked as follows:



Ex nR T6  
TUVNA 10 ATEX 7209  
-35° C ≤ Ta ≤ +50° C

Segurança



Ex nR II T6 Gc IP65  
TUV 12.0371  
-35° C ≤ Ta ≤ +50° C

### Restricted Breathing Properties

The test ports provided in the control box enclosure and motor housings are to be used for checking that the restricted breathing properties of the enclosures are retained in service. The restricted breathing properties shall be verified in accordance with the test described in clause 33.7.1 of IEC 60079-15. These test ports must be plugged or sealed during operation. The restricted breathing properties should be checked only when the surrounding atmosphere is known to be nonhazardous.

The test ports consist of an ANSI 10-32 UNF female thread in each of the motor housings and the control box enclosure. Each test port is plugged with a #2 Philips drive screw with o-ring head seal. Do not substitute standard screw. Once testing is complete, verify o-ring head seal is in place and not cut or cracked before replacing screw.

### Additional Precautions

**Do Not Make Or Break Connections In A Hazardous Area.**

**Use Only Approved Recommended Power Supply.**

**Power Supply Should Be Installed In A Non-Hazardous Area.**

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