Trusted TMR 24V DC/48V DC Output Module – 40 Channel

PD-T8461 Issue 16

Product Description

Original Instructions

Application

Module Configuration

There is no configuration required to the physical Output Module. All configurable characteristics of the Module are performed using tools on the Engineering Workstation (EWS) and become part of the application or System.INI file that is loaded into the TMR Processor. The TMR Processor automatically configures the Output Module after applications are downloaded and during Active/Standby changeover.

The IEC 61131 TOOLSET provides the main interface to configure the Output Module. Details of the configuration tools and configuration sequence are provided Trusted Toolset Suite Product Description, publication ICSTT-RM249 (PD-T8082). There are three procedures necessary to configure the Output Module:

1. Define the necessary I/O variables for the field output data and Module status data using the Dictionary Editor of the IEC 61131 TOOLSET.
2. Create an I/O Module definition in the I/O Connection Editor for each I/O Module. The I/O Module definition defines physical information, for example, Chassis and Slot location, and allows variables to be connected to the I/O channels of the Module.
3. Using the Trusted® System Configuration Manager, define custom LED indicator modes, per-channel default or fail-safe states, and other Module settings.

T8461 Complex Equipment Definition

The T8461 I/O Complex Equipment Definition includes eight I/O boards, referenced numerically by Rack number:

Table 3 Complex Equipment Definition

Rack	I/O Board	Description	Data Type	Direction	No. of Channels
1	DI	OEM Parameters	-	-	-
		Field Output Status	Boolean	Out	40
2	STATE	Field Output State	Integer	In	40
3	AI	Output voltage	Integer	In	40
4	CI	Output current	Integer	In	40
5	LINE_FLT	Line Fault Status	Boolean	In	40
6	DISCREP	Channel Discrepancy	Integer	In	3
7	HKEEPING	Housekeeping Registers	Integer	In	57
8	INFO	I/O Module Information	Integer	In	11

There are two OEM parameters that are included in the first rack (DO Board). These OEM parameters define the primary Module position; declaring the

History of Changes

This appendix contains the new or updated information for each revision of this publication. These lists include substantive updates only and are not intended to reflect all changes. Translated versions are not always available for each revision.

PD-T8461 Issue 16, March 2021

Change
Updated branding

PD-T8461 Issue 15, January 2019

Change
Updated Specifications section and main text to a more consistent format.
Updated Front Panel section to updated product design.
Updated to display Rockwell Automation publication numbers.
Added trademarks statement.

PD-T8461 Issue 14, June 2016

Change
Rebranded and reformatted with correction to Relative Humidity Range and Operating Temperature statements in the Specification Section, also correction of any typographical errors

PD-T8461 Issue 13, April 2010

Change
Table Rack 7 minor change

PD-T8461 Issue 12, November 2007

Change
STATE descriptions

PD-T8461 Issue 11, December 2006

Change
Weights & Dims

PD-T8461 Issue 10, August 2006

Change
Channel States

PD-T8461 Issue 9, August 2005

Change
Format / Text editing