APTER
POWER

T3481A

Regent Monitored Guarded Output Module

PRODUCT TECHNICAL REFERENCE

ICS Triplex T3481A is a Regent monitored guarded digital output module with 16 circuits. It drives protected 18 to 36 Vdc field loads while monitoring the output and fuse paths.

OFFICIAL SOURCE

ICS Regent Monitored Guarded Output Modules | PD-6033 Issue 2, March 2006 | ICSTT-RM021

Verified technical profile

Regent Monitored Guarded Output Module

Safetybus power	1.5 load units
Output circuits	16
Circuit groups	2 groups of 8
Voltage range	18 to 36 Vdc
Continuous load, 0 to 40 deg C	2 A per circuit
Continuous load at 60 deg C	1.5 A per circuit
On-state drop	1.0 V maximum
Surge current	3.5 A peak
Inductive surge	7 A for 20 ms
Front fuse	3 A, 250 V fast-acting 3AB per output
Isolation	2500 V minimum
Dimensions	320 x 32 x 257 mm
Weight	1.8 kg

ENGINEERING USE OF THE VERIFIED DATA

Field loads connect through the chassis terminal blocks and are protected by individual front-panel fuses. Commissioning requires load/fuse fault variables, controlled output commands, supply checks and verification of fail-safe or fault-tolerant module grouping.

FIELD CHECKPOINTS
- Confirm the T3481A marking and both eight-circuit group assignments.
- Place all connected final elements in the approved safe state.

Only values traceable to the listed manufacturer source are treated as verified technical data.

System role and engineering boundaries

ICS Triplex T3481A is a Regent monitored guarded digital output module with 16 circuits. It drives protected 18 to 36 Vdc field loads while monitoring the output and fuse paths.

1. Drives guarded DC output circuits for Regent control applications
2. Organizes sixteen outputs into two field groups
3. Monitors load and fuse conditions for configured alarms
4. Supports fail-safe or fault-tolerant output arrangements

ENGINEERING NOTE

Install T3481A in the assigned Regent I/O chassis position and land the two eight-circuit output groups on the documented terminal blocks. Confirm each 3 A front fuse, field-supply polarity, load current and configured line-monitoring alarms before enabling outputs.

Industrial application matrix

Four source-supported operating contexts for this exact product.

Emergency shutdown solenoids

Commands protected DC final elements with monitored output and fuse paths.

Trip relay actuation

Provides guarded discrete output circuits for protective relay interfaces.

Process valve control

Operates engineered DC valve loads within the documented current and surge limits.

Fault-tolerant output groups

Supports redundant Regent output arrangements where continued operation is required during a module fault.

MODEL-SPECIFIC ACCEPTANCE FOCUS

Confirm the T3481A article, Regent chassis and terminal blocks, both output groups, field-supply voltage, load and surge ratings, 3 A fuses, grounding, application variables, redundancy mode and controlled final-element test before commissioning.

Related-series navigation

Eight verified Apter Power product pages, kept separate from the manufacturer source record.

RELATED APTER POWER SERIES PAGES	
01	T9803 Apter Power product page
02	TC-001-02-2M5 Apter Power product page
03	T8235 Apter Power product page
04	TC-301-02-15M0 Apter Power product page
05	TC-302-02-4M0 Apter Power product page
06	TC-303-02-4M0 Apter Power product page
07	TC-311-02 Apter Power product page
08	T8830C Apter Power product page

Navigation links only - not manufacturer evidence for technical parameters.

SOURCE RECORD

ICS Regent Monitored Guarded Output Modules | PD-6033 Issue 2, March 2006 | ICSTT-RM021

APTER POWER SALES TEAM

WHATSAPP / PHONE
+86 180 3023 5313

EMAIL
sales13@apterpower.com

WEBSITE
www.apterpower.com

T3481A