

## TM-150-3 (ITC-3) Traffic Controller

### Product Features

- Developed with Swarco and based on ITC-3 hardware
- Integrated touchscreen – full manual panel, status monitoring, log access and more
- New and improved Web Interface
- 8 streams with 16 stages each
- Motus Cloud, UTMC 2.0 and RMU interfaces built-in
- Ethernet, GSM, modem and terminal/telnet access
- New and improved lamp monitoring
- New and improved handset interface via 25-pin port
- Phase Drivers can run LV or ELV – just change the lamp supply.
- New and improved configuration package with simulator
- Traffic control configurations stored in flash memory
- Optional serial connection for UK detector packs
- UTC bus priority and standard priority built-in
- Compatible with MOVA, UTMC and Bus Priority units
- Internal Traffic Count facility available
- Aluminium and 304 Grade Stainless Steel Cases, colours Black or Grey, other colours available to order
- TOPAS Approved as Swarco ITC-3



LARGE CASE 24 PHASE CONTROLLER

The TM-150-3 Traffic Controller develops what the TM-150-2 started, being a modern, flexible, and high performance traffic controller, which meets the requirements of TOPAS TR2500.

The TM-150-3 is available in three versions:

1. Small 11" Rack with 6 phases, 16 integral SDE/SA loop detectors and 128 digital inputs and isolated outputs
2. Standard 19" Rack with 24 phases, 40 integral SDE/SA loop detectors and 128 digital inputs and isolated outputs
3. Up to three 19" Racks can be connected together as one controller giving 64 phases, 128 integral SDE/SA loop detectors and 128 digital inputs and isolated outputs.

The TM-150-3 has two dedicated Safety CPUs to improve performance and enhance safety. The Safety monitoring includes signal conflicts, mains supply parameters, plan cycles, signal timings, and lamp monitoring parameters.

The TM-150-3 has a comprehensive web based suite of software tools allowing sophisticated analysis of controller and traffic data in real time.

Due to continuous efforts to develop products that are responsive to customer needs, the above specifications are subject to change



## Technical specification

### DIMENSIONS

1200 mm x 735 mm x 425 mm (H x W x D)

### CONFIGURATION

Up to 64 Phases

Up to 128 serial loop detector inputs which can be used as extra digital inputs

Up to 128 digital inputs rising to 256 inputs with above digital inputs

Up to 128 isolated outputs

### ENVIRONMENTAL

Operating Temperature range: -40°C to +80°C Operating Humidity: 0% to 99%

### REGULATORY

HA TR2500 and TOPAS TR2500 UK Controller Specification (ITC-3)

EN 12675, EN 50293 and EN 50556

### POWER SUPPLY

LV & ELV Options: 230Vac ±15%, 50 – 60 Hz

### LAMP SUPPLY NOMINAL VOLTAGES

LV Option: 230Vac / 160Vac

ELV Option: 48Vac / 28Vac

### LAMP SWITCH CARD

9 outputs or 3 phases, each with independently fused outputs; phase and colour

### CPU

Advanced Custom ARM Processor with Bespoke Linux based firmware

Built in Web Pages for Status Monitoring

### SAFETY CPUS

Two independent Safety CPUs supervise controller CPU and monitor configuration and health

### AUXILIARY CPU

Secondary processors for mobile IP communications and/or Integral MOVA 8

### INTERFACE

Ethernet, RS232 Serial Handset Terminal, UTMC 2.0 and RMU via UG405 compliant interface, Omnia/SPOT, Utopia/SPOT and Sensys Magnetometer interface built in.

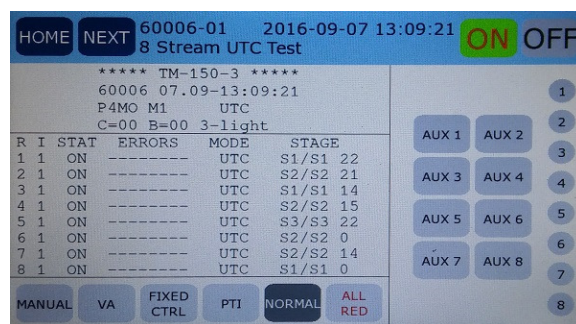
### ALL NEW LAMP MONITORING

New lamp monitoring with advanced profiling ensures continued stable lamp monitoring even when the supply varies within defined limits.

### TOUCHSCREEN MANUAL CONTROL PANEL

Complete built in operator's panel for detailed configuration access without the need for a terminal device. Simple to use with a host of features including:

- 8 Auxiliary Buttons, 8 Auxiliary LEDs and Fault Monitor LED
- Stream and stage status
- Access to configuration parameters and status tools
- Access to all log information
- Graphical Status of phase outputs, phase logical states, inputs and outputs



STANDARD MANUAL PANEL

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