



SWARCO ITC-2 MINI: for small intersections and pedestrian crossings

ITC-2 MINI TRAFFIC CONTROLLER

STATE-OF-THE-ART TRAFFIC CONTROLLERS

SWARCO TECHNOLOGY is one of the leading companies worldwide in the development, production and sales of traffic and motorway controllers and communication equipment for traffic management systems. The ITC-2 Mini is a low-cost version of the ITC-2 Controller. Providing the same modular design and the flexibility of the ITC-2, this mini-version is a cost-effective choice for small intersections and pedestrian crossings.

ITC-2 MINI: POWERFUL – FAST – COST EFFICIENT

The ITC-2 Mini has four signal groups and can be installed on a DIN-rail in a small cabinet. The controller has been developed according to European and national standards.



ITC-2: Compactly designed SWARCO ITC-2 Mini with size 290x150x75 mm, and weight 1.5 kg.

COMPONENTS

When you choose ITC-2 MINI, you get a reliable solution made by SWARCO.

- The built-in operator panel allows full control and access to all parameters. The police key can switch signals on/off and to amber flash as well as full stage control. The RS232 terminal interface provides further access to the internal software for control and debugging. The parameters are password protected with two security levels.
- The detection system is based on inductive loop-detectors with up to eight loops.
- Lamp group cards with triac outputs for 230 or 42 VAC with full monitoring of voltage and currents on all outputs.
- Optional I/O-card for control of relay input or output.
- CPU-board with i386 processor for control and supervision of functions. The CPU has a real time clock with battery backup
- ITC-2 is available also in a 42V version

TECHNICAL DETAILS: ITC-2 MINI



ITC-2 MINI: with group-card, I/O and detector boards

TECHNICAL DETAILS

Basic sizes: 4 signal groups	I/O interfaces: 5-48 V, 100 mA
Eight loop-detectors	Communication: RS 232, Ethernet
Voltage: 230 VAC \pm 15%	System connections: Utopia/Spot, Omnivue, EC-Trak
Ambient temperature range: -40 - +80°C	Certifications: EN-12675, EN-50293, HD-638 S1
Load per output: Max. 500 VA	

SOFTWARE FUNCTIONS

The ITC-2 Mini controller's standard software provides a large number of parameter-controlled functions.

- There are 16 traffic plans and 16 traffic situations available with standard parameters for programming of local and central co-ordination. Cable-free linking is possible with a GPS clock.
- The controller can have eight primary stages and an unlimited number of secondary stages. The logic is signal group controlled with a full conflict matrix between all groups.
- Traffic counting with internal detectors with seven-day back-up. User defined counting interval.
- Fulfils Scandinavian LHOVRA specification.
- Built-in bus priority functions.
- Built-in advanced programmable control logics enabling the user to create new functions.
- For control and supervision ITC-2 has interfaces to Omnia/ Utopia/Spot, Omnivue and EC-Trak UTC systems. The controller can send SMS or e-mails in case of faults.
- Internal web-interface.

CONFIGURATION AND TESTING

For configuration and test of parameters, a Windows-based easy-to-use software tool is provided.

SAFETY

A safety CPU guarantees that no hazardous situations occur.

The CPU monitors:

- All colour and green/green conflicts
- Signal sequences
- Min. and max. times for all signal states
- All flash periods
- All min. and max. cycle times
- Wait lamp duration
- Min. and max. lamp load for red, amber and green
- Min. and max. main supply voltage for safe operation
- Min. and max. main supply frequency
- Max. mains voltage dip before restart

YOUR LOCAL CONTACT



SWARCO TECHNOLOGY APS

SWARCO TECHNOLOGY develops and markets traffic and motorway controllers as well as communication equipment for traffic management systems. Thousands of our products have been installed and are now in use in different applications in many countries. As a company of the SWARCO Group we can deliver complete solutions for traffic management systems.

SWARCO TECHNOLOGY APS

Kløkkestøbervej 21, DK-5230 Odense M, Denmark, T. +45-63 152 200, F. +45-63 152 219
E. office@swtech.dk, www.swtech.dk, www.swarco.com