



SPECTRA™

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Door
Interlocking Terminals

An ISO 9001:2008 Company

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Features

Door Interlocking with Buzzer and Led indicator

Door Interlocking Terminal (DIT) controls interlocking of doors 2, 4 and 8 doors using DOTL signals. For user interface there is one switch at entry and EXIT side of a door. Buzzer and LED indicators are used to provide users with visual feedback as to when a door may be accessed. For user convenience, a green light is typically used to signify that a door is ready for access and a red light to indicate that a door is un-accessible.

Operation

Only one door may be unlocked or open at one time. Unlocking or opening one door automatically secures all other doors within the designated area. Lock relay contacts will allow low voltage red and green LEDs to be utilized for user feedback.

Programmable

Door interlocking groups can be programmed for 4 and 8 doors. User can program interlocking groups through serial communication.

Supports switch less operation

DIT can be used without switch in which led will indicate that user can open the door or not. Switch less operation is same as with switch except that all locks will remain open initially and will get closed if one of the doors of interlocking group is open.

Specifications : Hardware

CPU	: 8 Bit Microcontroller running at 8 MHz
Program Memory	: 32 Kbytes
Communication	: Serial RS232 ASCII
Door Interface	: 2 Switch & 2 DOTL per door
Door Control	: 1 Buzzer & 2 LED indicators per door
Relay Interface	: Relay outputs for lock : 3A @ 1 V DC
Digital Inputs	: 4 general purpose optically isolated digital inputs
Digital Output	: 2 general purpose relay outputs
Watchdog	: Built-in watchdog supervisor
Power	: Less than 5 watt

Specifications : DIT800

Controller	: 8 Doors/16 Switches
Supply	: Input : 230VAC, Output : 13.8 V DC/5 Amp with battery charger, provision to connect 12 V/7.2 AH battery
Power	: Less than 5 watt
Protection	: Miniature circuit breaker (MCB) for over current protection
Weight	: 5.14 Kg
Dimensions	: 36.2 cm (L) x 32.5 cm (W) x 8.3 cm (D)

Specifications : DIT400

Controller	: 4 Doors/8 Switches
Supply	: Input : 230VAC, Output : 13.8 V DC/2.5 Amp with battery charger, provision to connect 12 V/7.2 AH battery
Power	: Less than 5 watt
Protection	: Miniature circuit breaker (MCB) for over current protection
Weight	: 2.65 Kg
Dimensions	: 26.2 cm (L) x 23.0 cm (W) x 5.7 cm (D)

Specifications : DIT200

Controller	: 2 Doors/4 Switches
Supply	: Input : 230VAC, Output : 13.8 V DC/2.5 Amp with battery charger, provision to connect 12 V/7.2 AH battery
Power	: Less than 5 watt
Protection	: Miniature circuit breaker (MCB) for over current protection
Weight	: 2.65 Kg
Dimensions	: 26.2 cm (L) x 23.0 cm (W) x 5.7 cm (D)

*Specifications are subject to change without any prior notice