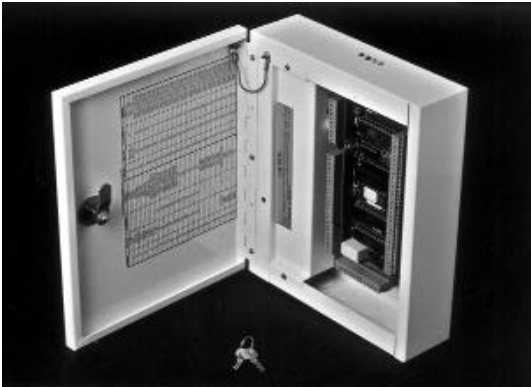


MD350 Mimic Driver

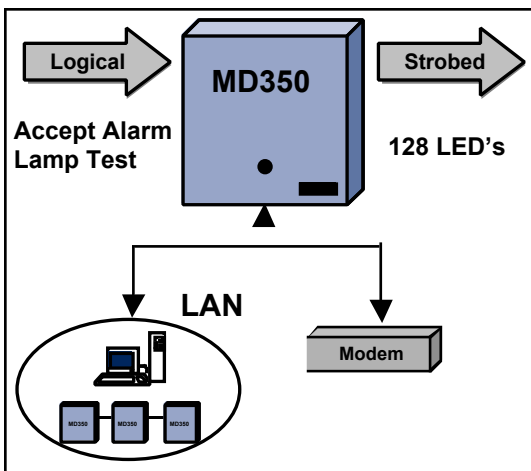
MD351 Logical Controller

MD350: An intelligent Controller of 128 LED's, strobed.

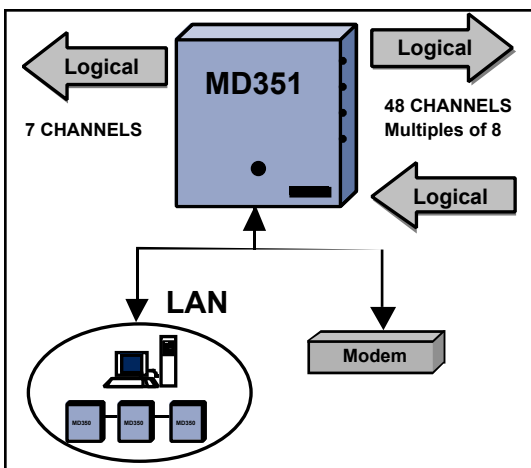
MD351: An intelligent Controller of 7 OUT-PUTS and 48 IN/OUTPUTS (selected in eight's).



MD350 Example



MD350 Example



SOFTWARE CONTROL SERVICES

Features

General:

- ✓ Microprocessor based.
- ✓ Software watchdog and power dip reset.
- ✓ 4 x diagnostic LED's.
- ✓ AC or DC power source.
- ✓ Built-in Test (BITE).
- ✓ Battery backed memory and real time calendar clock.

MD350:

- ✓ System integration.
- ✓ Local lamp test.
- ✓ LED statuses are on, off or flashing at selectable rates.
- ✓ Accept alarm.
- ✓ RS232 or RS485 communication (Optional fiber optic or modem).
- ✓ 128 strobed LED's in two matrixes of 64.
- ✓ Strobe voltage fixed between 5 and 12VDC.
- ✓ Data buffering.
- ✓ Low current drain (only 2 LED's are effectively on at any instant).

MD351:

- ✓ Monitor time: control on time, 8 time slots, 15 time groups (weekday, holiday enable).
- ✓ Open collector Darlington and current source.
- ✓ 30 holidays.
- ✓ Up to 55 outputs, 48 inputs.
- ✓ RS232 or RS485 communication (optionally fiber optic or modem).
- ✓ Alarm monitoring/generation of each level in time group.
- ✓ System integration.
- ✓ Data buffering. Exception and activity logging.

Input / Output Capacity

Serial communication: RS232 (TX, RX, RTS) or RS485 (Data/Data - Tranzorb protection).

MD350:

128 LED's in two 8x8-matrix outputs strobed with 5 to 12 VDC, up to 10mA.
8x8 Matrix strobed inputs for push-switches or 8 logical inputs.

MD351:

48 channels of Inputs/Outputs, set in multiples of 8.
TTL level inputs with optional pull-up resistors to 5V, 35VDC maximum input.
Outputs open collector Darlington (50VDC, 500mA) or current source (common selected supply, 50VDC maximum, 500mA per channel).
7 Outputs (50VDC, 500mA open collector Darlington).

Cable Length and Type

LAN Cable : 2 Pair twisted multi-strand Mylar, 0.2mm with screen; 2000m total length.
MD350 to LED's : Multi strand Mylar, 0.2 mm; 5 m Maximum.
MD351 to peripherals : 2 Core multi-strand Mylar, 0.2mm, with screen; 2000 m maximum.

Housing and Dimensions

Powder-coated steel enclosure with lock. (white).
300mm (H) x 300mm (W) x 90mm (D).

Environmental Conditions

Storage Temperature : -20 to 65 Degrees C (-46 to 150 Degrees F).
Operational Temperature : 0 to 45 Degrees C (32 to 113 Degrees F).
Humidity : 80% non-condensing.

Power Supply

110 or 220 VAC +/- 10% (10W) or 12 to 24 VAC/DC (700mA).
5 to 12 VDC (common), 1A (fixed regulated) available for LED's.
5 to 24 VDC (common), 1.5A (fixed, regulated) available for current source.
Data parameters are battery backed-up (10 years with no power).

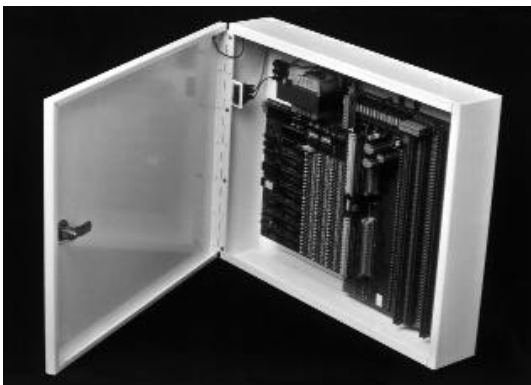
DF350/5/6

DF350: An intelligent Controller of 16 INPUTS and 8 OUTPUTS.

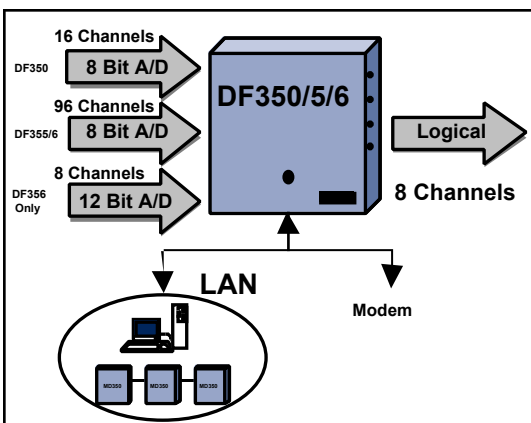
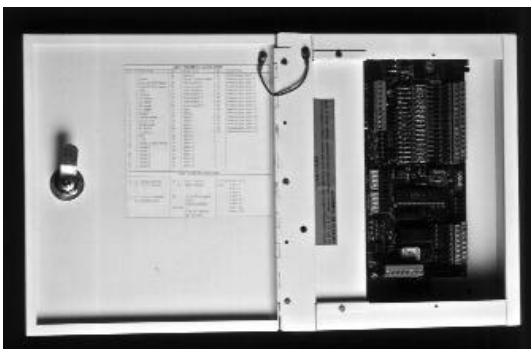
DF355: An intelligent Controller of 96 INPUTS and 8 OUTPUTS.

DF356: An intelligent Controller of 104 inputs and 8 OUTPUTS.

DF350



DF355/6



Offices

- USA
- South Africa

Distributors

Australia	UK
France	Spain
Holland	Zimbabwe

softcon@softconserv.com
www.softconserv.com

Features

- ✓ Microprocessor based.
- ✓ Relay and open-collector Darlington outputs.
- ✓ 8-bit and 12 bit A to D inputs (e.g. 4 to 20mA or 0 to 10VDC).
- ✓ Monitor time: Control on time, 8 time slots, 15 time groups (weekday, holiday enable).
- ✓ 5-level detection inputs, set for each input.
- ✓ 30 holidays.
- ✓ Open circuit and short detection on each input.
- ✓ RS232 or RS485 communication (optionally fiber optic or modem).
- ✓ Inputs supply 20 mA to sensor (12 to 24VDC common).
- ✓ Data buffering.
- ✓ Exception and activity logging.
- ✓ 2 x diagnostic LED's.
- ✓ Built-in Test (BITE).
- ✓ Alarm monitoring/generation of each level in time group.
- ✓ AC or DC power source.
- ✓ Software watchdog and power dip reset.
- ✓ Battery backed memory and real time calendar clock.

Input / Output Capacity

Serial communication: RS232 (TX, RX, RTS) or RS485 (Data, /Data - Tranzorb protection).

DF350

16 Inputs (8-bit A/D, or up to 5-level detection) with 20mA source.
1 Outputs (30VDC/250VAC, 3A change over potential free relays).
7 Outputs (50VDC, 500mA open collector Darlington).

DF355

96 Inputs (8-bit A/D, or up to 5-level detection) with 20mA source.
8 Outputs (30VDC/250VAC, 3A change over potential free relays).

DF356

96 Inputs (8-bit A/D, or up to 5-level detection) and 8 inputs (12-bit A/D, or up to 5-level detection) with 20mA source; RC-protection, with optional tranzorb protection.
8 Outputs (30VDC/250VAC, 3A change over potential free relays).

Cable Length and Type

LAN Cable : 2 Pair twisted multi-strand Mylar, 0.2mm with screen; 2000m total length.

Housing and Dimensions

Powder-coated steel enclosure (white) with lock.

DF350

300mm (H) x 300mm (W) x 90mm (D).

DF355/6

500mm (H) x 400mm (W) x 100mm (D).

Environmental Conditions

Storage Temperature : -20 to 65 Degrees C (-46 to 150 Degrees F).
Operational Temperature : 0 to 45 Degrees C (32 to 113 Degrees F).
Humidity : 80% non-condensing.

Power Supply

110 or 220 VAC +/- 10% (10W [20W] or 12 to 24 VAC/DC (700mA [1.4A]), excluding power to inputs and outputs.
Data parameters are battery backed-up (10 years with no power). 12 to 24 VDC (common), 1.5A [3A] (regulated) available for I/O.

SOFTWARE CONTROL SERVICES USA INC
SOFTWARE CONTROL SERVICES (PTY) LTD

Control by micro processor is our business "You name it, we'll control it"