



NETWORK SYSTEMS ND110 Defrost Scheduler



Provides centralised real-time control of defrosts for both JTL & non-JTL controlled fixtures.



- Stand-alone or networked product
- Controls all defrost types
- Schedules defrosts for up to 48 systems
- Push buttons for user interface
- Controls up to 6 defrosts per day per system
- Battery supported real-time clock
- Remote alarm facility
- Set-up parameters maintained for restart

Product Data

Product Description

JTL ND110 scheduler provides centralised real-time control for the defrost of refrigerated fixtures. Defrost instructions can be communicated on a JTL network or, with the use of external JTL IF interface boards, hard-wired connections can be used to pass instructions from the scheduler to most evaporator controllers.

Network Defrost Control

Where the ND110 and the JTL evaporator controllers are connected to a JTL network, defrost instructions and status information can be communicated on the network. The evaporator controllers can be grouped into defrost systems and the scheduler will initiate defrost simultaneously in all controllers in a defrost system. The evaporator controllers can terminate defrost locally and the ND110 will return the system to normal refrigeration once all controllers have terminated or when the pre-set maximum defrost period has been reached.

Hard-wired Defrost Control

The ND110 can be connected locally to IF interface boards, this will provide relays associated with each defrost system. Hard-wired connection from these relays can provide defrost initiation and control for most modern evaporator controllers.

Remote Access

If operating within a JTL network, the ND110 can be programmed and the schedule can be viewed/adjusted locally or remotely.

Hardware

LED display	1
Relay contact outputs	4
Voltage free contact inputs	2

Technical Specification

Output 1 (changeover contact)	Watchdog
Output 2 (changeover contact)	Differential pressure valve
Output 3 (changeover contact)	Unused
Output 4 (changeover contact)	Unused
Relay output rating	5 A resistive (240 V max)
Communications port	RS485 2 or 4 wire (selectable)
Communications protocol	JTL Jnet zone protocol
Input 1	Control enable
Input 2	Not used
Pushbutton 1	Function
Pushbutton 2	Scroll
Pushbutton 3	Enter
Unit dimensions boxed (H x W x D)	260 x 260 x 80 mm
Unit weight boxed	5 kg
Power supply (standard)	230 V 48-62 Hz

Ordering Information

ND110	Controller boxed
-------------	------------------



This unit conforms with the relevant EU standards when fitted in accordance with its installation instructions.

JTL Systems Limited

Head Office	Newbury	tel: 44 (0)1635 263646
Technical Support Centre	Newbury	tel: 44 (0)871 3157535
Monitoring Centre	Newbury	tel: 44 (0)871 3157531