

Overview

The 1900MS12-24 is an accurate long-life LED time display piece that can be operated in master or satellite mode. It reports time in 12 hour or 24 hour formats with hour and minute that may be dimmed at the flick of a switch. An 18 foot cord is connected to a Class 2 transformer which plugs into a standard wall outlet. For indoor operation only.

Agency Approvals

- UL listed and CSA certified Class 2 transformer

Applications

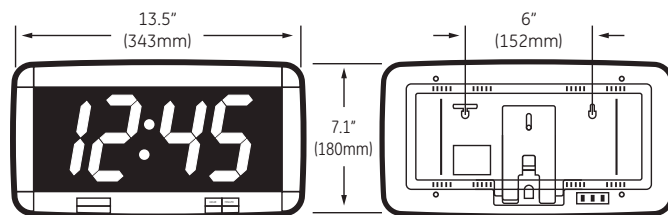
Designed for indoor display of time by hour / minute in 12 hour or 24 hour format.

Ordering Information

Cat. No.	Description
1900MS12-24	Digital clock, wall mount, surface
1900-C	Suspension unit, ceiling mount for one or two clocks
1900-W	Suspension unit, wall mount for one or two clocks
1900-F	Flush enclosure

Installation and Mounting

The units may be wall mounted indoors in temperatures of 32° - 120° F (0° - 49°C).



Standard Features

- Field selectable master or satellite mode
- All clocks synchronized to master
- Built-in RS485 serial interface connection for networking
- Field selectable 12 or 24 hour format
- Hour and minute display
- 100,000 hour red LED lamp technology
- Four inch high numerals
- Two weeks memory retention on power outage
- Agency recognized power supply
- Viewable from a distance of 200 ft.

RS485 Accessories

- MCNMNARJ11485 – Modular network adapter
- MCN485-RJ11-8 – 8'-0", 4-Conductor RS485 cable
- MCN485-RJ11-1 – 1'-0", 4-Conductor RS485 cable
- MCN485MODCB – 10'-0", 25 pin-to-9 pin, type "B9" RS232
- MCN485EOLTCB – End-of-Line (EOL) terminator, an EOL must be plugged into the RS232 or TTL plug on the last sign.
- MCN485CB2EOLT – Converter box with 2 EOL terminators
- MCN485CBAC – Converter box adapter, 120V input, 9V output
- MCN485CB232A9 – 10'-0", 9-TO-9 PIN, Type "A9" RS232 cable
- MCN485-1000 – RS485 cable, 1000'-0" spool
- MCN485-100 – RS485 cable, 100'-0" lengths
- MCN485NRB – Network repeater box
- MCN485BB-8 – 8'-0" RS485 Cable for back-to-back sign configurations

Master Satellite LED Wall Clock

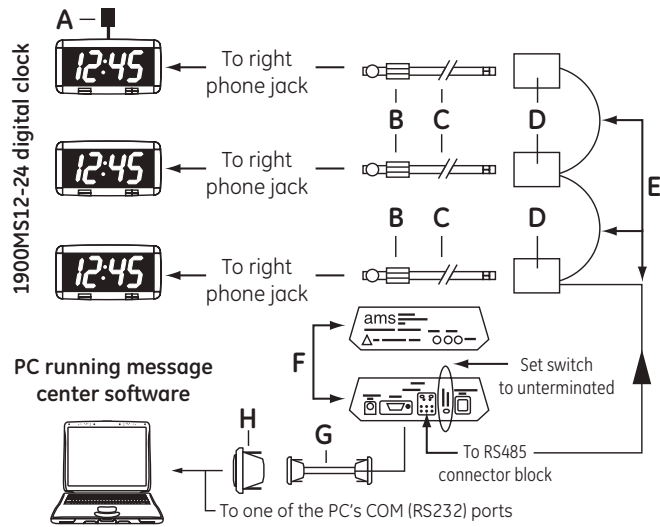
1900MS12-24 Series



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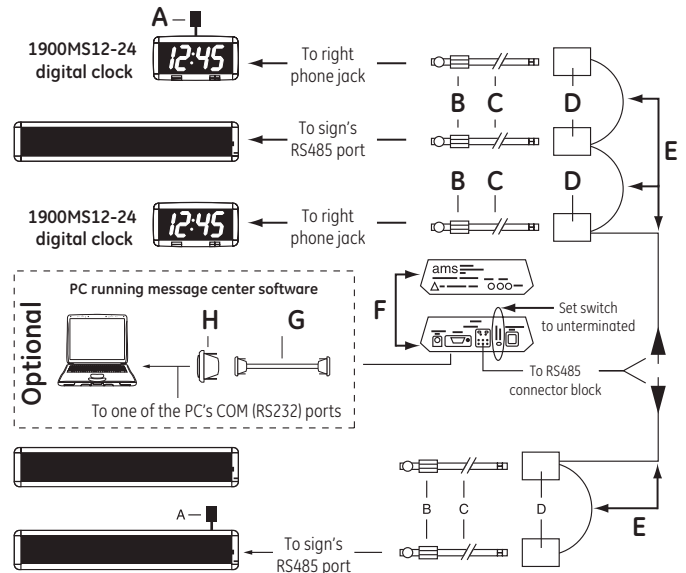
Connecting Multiple Clocks to a Cabled PC Network



Cat. No.	Description
A	MCN485EOLTCB End-of-line (EOL) terminator
B	--- Ferrite (ferrite end towards clock)
C	MCN485-RJ11-8 8'-0", 4-conductor RS485 cable
	MCN485-RJ11-1 1'-0", 4-conductor RS485 cable
D	MCNMMNARRJ11485 Modular Network Adapter
E	MCN485-1000 RS485 cable, 1000'-0" spool
F	MCN485CB2EOLT Converter box w/2EOL terminators
G	MCN485CB232A9 10'-0", 9pin to 9 pin, type "A9" RS232 cable
H	--- Serial port DB25-to-DB9 RS232 adapter (may be required by your computer)

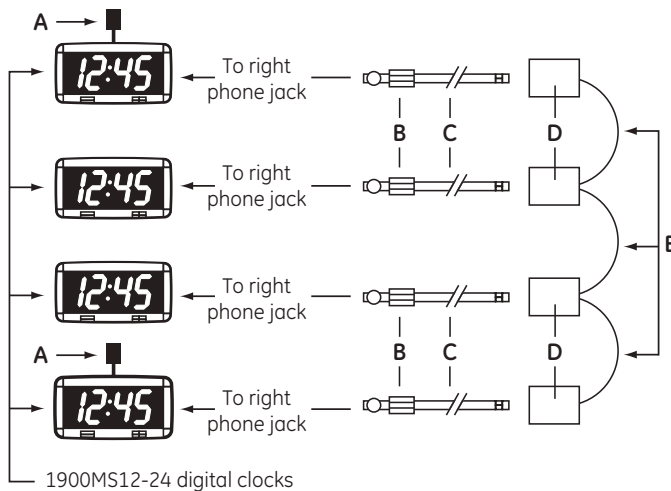
NOTE: One clock must be set to Master and the rest set to SATELLITE

Connecting Multiple Clocks and Signs to a Cabled PC Network



Catalog Number	Description
A	MCN485EOLTCB End-of-line (EOL) terminator
B	--- Ferrite (ferrite end towards device)
C	MCN485-RJ11-8 8'-0", 4-conductor RS485 cable
	MCN485-RJ11-1 1'-0", 4-conductor RS485 cable
D	MCNMMNARRJ11485 Modular Network Adapter
E	MCN485-1000 RS485 cable, 1000'-0" spool
F	MCN485CB2EOLT Converter box w/2EOL terminators
G	MCN485CB232A9 10'-0", 9pin to 9 pin, type "A9" RS232 cable
H	--- Serial port DB25-to-DB9 RS232 adapter (may be required by your computer)

Connecting Multiple Clocks Without a PC



Cat. No.	Description
A	MCN485EOLTCB End-of-line (EOL) terminator
B	--- Ferrite (ferrite end towards clock)
C	MCN485-RJ11-8 8 ft (2.44 M), 4-conductor RS485 cable
	MCN485-RJ11-1 1 ft (0.305 M), 4-conductor RS485 cable
D	MCNMMNARRJ11485 Modular Network Adapter
E	MCN485-1000 RS485 cable, 1000 ft (305 M) spool

NOTE: One clock must be set to Master and the rest set to SATELLITE

