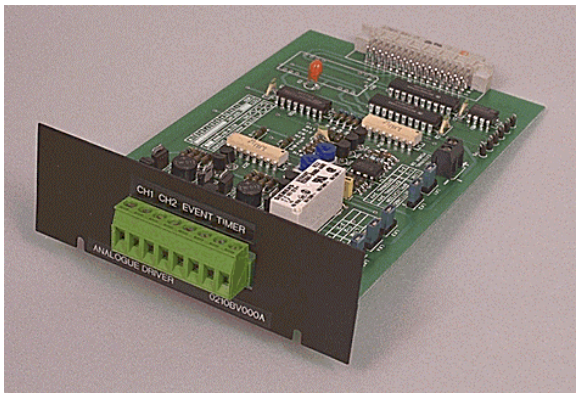
brandywine communications

Analog Driver Module
Option 18



This module is used to provide the impulse drive required by standard analog clocks. Two impulse circuits are provided, each of which can supply 24Vdc reverse polarity impulses once per second, once per half-minute or once per minute. These outputs may also be used to drive Brandywine Communications, or equivalent, clocks and digital displays. The module also includes a tone generator that may be used in conjunction with a Public Address system. The tone generator may be programmed to indicate work periods or other key times for announcement over the PA system. Additionally, the on-board relay can be programmed to signal key time events.

The Analog Driver Module is available as an option on all the following products:

- M190 Master Clock
- M210 Modular Time System
- M211 High Capacity Time System

Specifications

The Analog Driver Module occupies one option slot of the main equipment chassis.

Module Connections
Each impulse drive circuit together with the relay/tone generator connections is provided via a nine pin D type socket.

Impulse Drive Characteristics
The impulse drive circuits from this module have the following characteristics:

Output Voltage:	24Vdc
Output Current:	Dependent on capability of equipment chassis.
Output Protection:	Each output is short circuit protected and the module automatically compensates for missed pulses due to short-circuits.
Impulse Repetition:	Once per second (pulse duration typically 400ms) Once per half minute (pulse duration typically one second) Once per minute (pulse duration typically one second)

The repetition rate is selectable via the front panel keyboard of the equipment. The selection is stored in non-volatile memory.

Event Timer
An event timer is included on the module. The output of the event timer is either a tone generator (for PA system) or a relay. The event timer is programmable for seven day, eight events per day operation. The program is stored in non-volatile memory.

Environmental (Operating & Storage)

Temperature:	0°C to +40°C
Humidity:	Up to 95% RH (non-condensing)
EMC:	CE Compliant

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