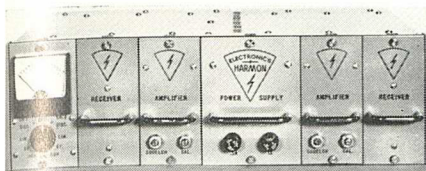


PRODUCT NEWS

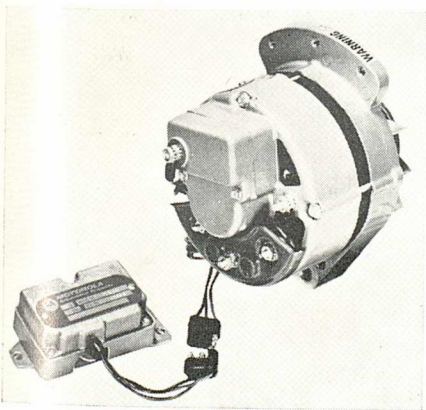


Detector Carrier

RS&C-1

Hotbox detector carrier systems are available in model 510B for systems operating below 20 kc and in model 511B for systems operating above 20 kc. Both are narrow band FM with frequency shift. Signal bandwidth of the 510 series is 125 cps at 2,000 cps and 500 cps at 20 kc. The pulse frequency band is 5 to 60 cps with a rise time of not more than 6 msec. The squelch relay in the receiver turns the recorder and stylus off in the standby position and on for recording trains. Receiver pulse output is 80 volts into a 3,200-ohm recorder.

For model 511 systems, operating above 20 kc, the signal bandwidth with maximum pulse is approximately 3 kc at higher frequencies and 1 kc at lower frequencies. Transmission line connections require a balanced telephone line, or single line to ground or telephone pair fed in phase with reference to ground.



Alternator-Regulator

RS&C-2

An all-electronic system for railroad application consists of the alternator, all-electronic voltage regulator, isolation diode and mounting bracket. Brushes and slip rings in the alternator are mounted in an enclosed chamber to provide railroad users with protected operation under adverse atmospheric conditions. Both the alternator and all-electronic voltage regulator are coated with polyurethane to protect against corrosion and moisture. The new system is available in 12-volt positive or negative ground models pro-

viding capacities of 40 or 55 amp.

Replacing the DC generator, the all-electronic alternator system functions to charge the battery at engine idle. The 40-amp alternator delivers up to 23 amp at engine idle and the 55-amp produces 8 to 15 amp at idle.

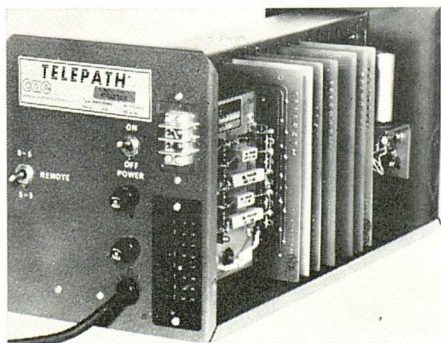
The alternator weighs approximately 10 lb and measures 5" in diameter. The isolation diode, which controls the "telltale" warning light, utilizes electronic techniques to minimize battery drain. The new alternator is equipped with a removable pulley that is keyed to the shaft. Alternator pulleys are available, permitting use of either single or multiple "V" belts ranging from $\frac{3}{8}$ " to $1\frac{1}{16}$ " in width.



Busy Station Display

RS&C-3

A busy station number display can be used with the S-C 1A2 key telephone system as well as 6K-1 and 1A1 systems. This unit provides the attendant with a visual idle/busy indication of each station. The unit comes equipped for 18 stations but can be expanded to 36 stations. When a station is in use, that station number is illustrated on the busy station number display. In modern turret design, the busy number station display is available in black, beige, gray or green.



Translating Device

RS&C-4

The CT-58 unit is a translating device for connecting punched tape data to a 5-level telegraph line. The translator features 5-level serial telegraph code output to the line from either