

PRODUCTS on REVIEW

Controller Rod

The Railroad Accessories Corporation has developed an improved switch point socket and connecting rod for switch circuit controllers. Referring to the sectionalized view herewith, the rod and socket into which it fits are ground slightly tapered. Therefore when the nut,



with lock washer, is tightened, the ground tapered surfaces are drawn to a tight fit and are held there so that there can be no looseness to permit wear. A further advantage of the taper fit is that there is no critical place at this end of the rod where vibration could be concentrated to cause a break. These statements have been verified by accelerated tests extending for five months in the New York Testing Laboratories.

Motor Car Indicator

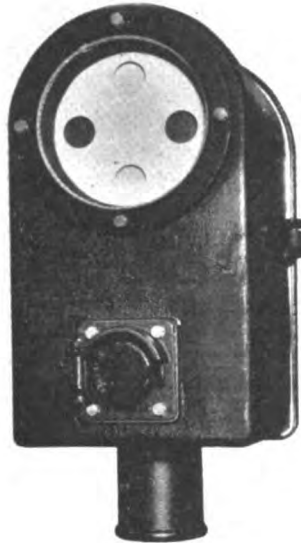
A new color-position motor car indicator has been developed by the General Railway Signal Company for use in automatic block territory to warn maintainers, track forces, and others using motor cars of the approach of a train.

The indicator consists of a modified Type K Size 4 relay housed in a weatherproof case designed for post or bracket mounting. The indicator aspects are viewed through a window in the front of the case. A hinged door on the back of the case permits access to the operating unit.

The indicating blade and linkage assembly is mounted on the relay

base and actuated by the relay armature. Light-reflecting color discs on the indicator blade indicate whether the indicator coils are energized or deenergized. The color discs are selectively displayed through openings in a white indicator face plate by the indicator blade, which rotates behind the plate when actuated by the armature. In the energized position the aspect is two green discs in a vertical line; in the deenergized position, two red discs in a horizontal line.

The coil resistance of the operating unit depends upon the requirements



of the circuit in which the device is to be used. Two standard front-back contacts are available for circuiting the indicator in the system. The indicator can be supplied as a normally energized unit, or equipped with a pushbutton for operation when desired by the motor car operator.

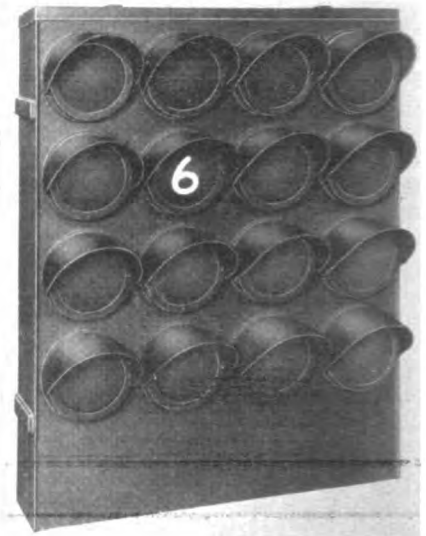
Yard Track Indicator

Featuring more readable aspects of longer range, three new yard track indicators, designated as Styles TY-10, TY-20, and TY-30, have been introduced by Union Switch & Signal—Division of Westinghouse Air Brake Co. Differing in the number of track indications available and in the recommended method of indication control, these indicators supply the flexibility necessitated by differences in yard size and local conditions.

A new projection unit of highly efficient design is employed in all

models, permitting greatly increased range of legibility at low power consumption. These units consist of an 8 in. diameter shallow parabolic reflector with a corresponding size character stencil, and a flat diffusing cover glass. The stencil has clear characters on an opaque background with the characters of a new form for increased readability. The new, improved diffusing cover glass provides a strong indication together with adequate spread. Stencil and cover are mounted in an inclined holder to reduce the effects of reflected light. In strong, direct sunlight and with the lamp extinguished, the unit remains black and no portion of the character shows through.

Sixteen of these new projection units provide up to 16 track indications on the Style TY-10 indicator. Indications are legible for 350 to 450



ft. using an 8-volt 5-watt lamp. Housed in a welded sheet steel case containing extra space for control equipment, this model can be controlled by either direct wire or two-wire code equipment. Two posts are used for mounting. Designed to meet requirement for a greatly increased number of track indications, the Style TY-20 indicator can provide 39 indications while using but 12 projection units. These units are arranged in four horizontal rows, the top three units carrying the indications 10, 20 and 30 in green, yellow and lunar white, respectively. The remaining units display indications 1 through 9. By displaying either a single unit, or by lighting one of the units in the top row in combination with a unit from a lower row.