

H-LRT-1 Loop Reclosure Trainer

Purpose

The Hampden **Model H-LRT-1** Loop Reclosure Trainer provides students and trainees with practical experience in the operation, maintenance and troubleshooting of distribution reclosures in general, and reclosures in a loop specifically.

Description

The system depicted on the front panel of this trainer is of a simple loop, fed from two separate transformers. This system utilizes five reclosures on the graphics, two of which are inactive and three that are active. The active reclosures are connected to actual reclosures, while the inactive reclosures are graphics only and do not interact with the actions of the actual reclosures. The portion of the loop graphics that interact with the three reclosures are connected to the reclosures through the three sets of connectors located on the lower rear of the panel. There is one set of connectors for each simulated Reclosure. These are labeled "Sectionalizing", "Mid-point", and "Tie" to correspond with the three actual reclosures. At each of the three line sections, between the feeder and the three reclosures, any of the three phase voltages can be switched off to simulate a loss of voltage. Also, between the three reclosures, both fused and unfused faults to ground are graphically shown, and can be simulated.

Although the trainer depicts a three phase system, it operates on 120 volts single phase and all voltages are internal so that there is no hazard while operating the trainer. The reclosures can be opened for adjustment, testing and maintenance. The instructions supplied by the manufacturer of the Reclosure must be followed regarding safety and operation. The power is fed into the trainer's main circuit breaker via a three conductor #14 AWG cord, both of which are located on the left hand side of the trainer.



Dimensions: 78"H x 60"W x 28"D
Shipping Weight: 700 lbs

The trainer is controlled by a state of the art computer system, integral to the trainer. It contains the control program, written in a high level language. The program allows the instructor to interact with the trainer as well as providing student tracking. Within the enclosure is a stand-alone controller, which controls the trainer when not interacting with the instructor's connected computer.

NOTE: This trainer is normally supplied for use with existing reclosures; if reclosures are to be included, they *must* be specified.

Power Required

120 volts, single phase, 15 amperes, 60 hertz, plus a ground.

Options

H-LRC-2 Two Reclosure Cart

H-LRC-3 Three Reclosure Cart



All Hampden units are available for operation at any voltage or frequency

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