

# ***SCENEMASTER***

HO SCALE  
**TELEGRAPH  
POLES & ARMS**  
949-4185

Thanks for purchasing this SceneMaster kit. Please take a few minutes to read these instructions and study the drawings before starting construction - if you're not sure of the correct assembly test-fit parts before gluing! All parts are styrene plastic so use compatible paint and glue to finish and assemble your model. You may find it easier to build and paint larger parts as subassemblies: smaller parts may be painted on the sprues and touched-up after final installation.

For nearly a century, the telegraph with its mysterious (to outsiders anyway) dots and dashes was a key part of daily living and railroad operations. The most visible part of the system was the extensive network of poles, supporting several cross arms bristling with multiple lines, each protected by a glass or porcelain insulator. Railroads were among the first big business to adapt the technology, using it to make operations safer and faster. New developments and advances came quickly, and railroads soon expanded their systems to include circuits to operate telephone and signal systems, with wiring carried on the same line poles. As radio, microwave and computer communications proved workable, reliable and cheaper, these older systems were gradually replaced, or relegated to stand-by status, where some served into the 21st century! Today, you'll still see poles along many railroad rights-of-way, so your new model can be used on steam, diesel,

or contemporary railroads. For additional kits and accessories, see your participating dealer, check out the current Walther's Model Railroad Reference Book, or visit us online at [walthers.com](http://walthers.com)

**PLEASE NOTE** - Because the prototypes might carry up to 50 separate lines, and some used cross arms on both sides of the pole, your kit is designed so you can easily add one or more "10-pin cross arms" (2) as desired. Use this sketch as a general guide for placement and alignment - many online resources and photos are available for reference.

Align notch on back of each Cross Arm (2) with Pole (1) and glue where parts meet. Repeat as needed.

We suggest press-fitting poles into your layout surface so they can easily be replaced if bumped, or removed as needed for maintenance. Be sure to allow clearance for cars and engines, especially on curves. Poles were installed on railroad property at set distances, typically 120' to 200' apart (36.5 - 60.9m) with 40 to 50 poles used per mile; you may wish to use shorter spacing on your layout, or consult prototype references to determine final spacing and placement.

