

# **AMERICAN ACCESS SYSTEMS INC.**

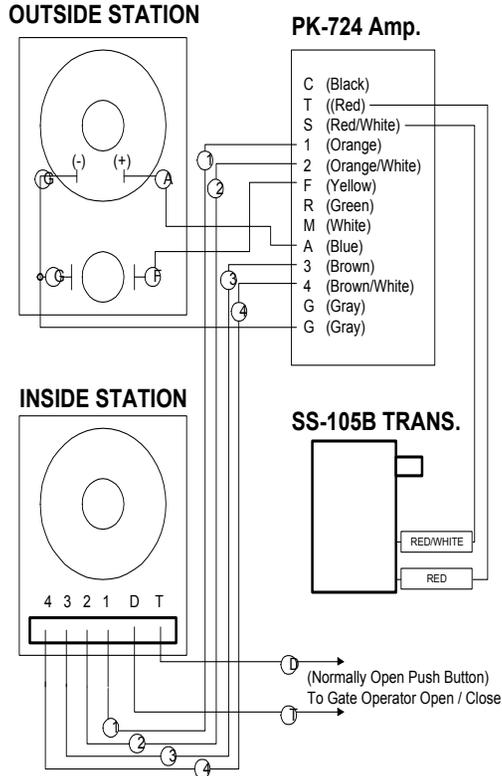
## **COMMON INTERCOM INSTALLATION**

**TECH SUPPORT: Monday thru Friday 8:00 am to 5:00 pm MST**

Installation instructions for Tektone Intercom System using PK-724 amplifier

WIRING

Run 4 conductor twisted shielded cable from the OUTSIDE STATION to the PK-724 amplifier. One conductor will not be used but will be available in the future should shorts or problems occur. Run the wire in it's own conduit at least 6 inches away from high voltage. You may run the operator control wires in the same conduit as the communication wires, but do not run them in the same cable. Do not route or place communication wires next to transformers, fluorescent lights, or any device that produces high voltage flux. See the chart below for proper gauge of wire. Run 4 conductor twisted shielded cable from the PK-724 amplifier to the INSIDE STATION(s). Each of the inside stations should be connected in parallel and should not exceed the distances specified below. After you have made all your connections, ground the cable shielding to earth ground at one end of the cable.



Distance to gauge of wire chart  
\*From Amp to OUTSIDE STATION

Up to 150 feet	22 guage
151 to 700 feet	20 guage
701 to 1500 feet	18 guage

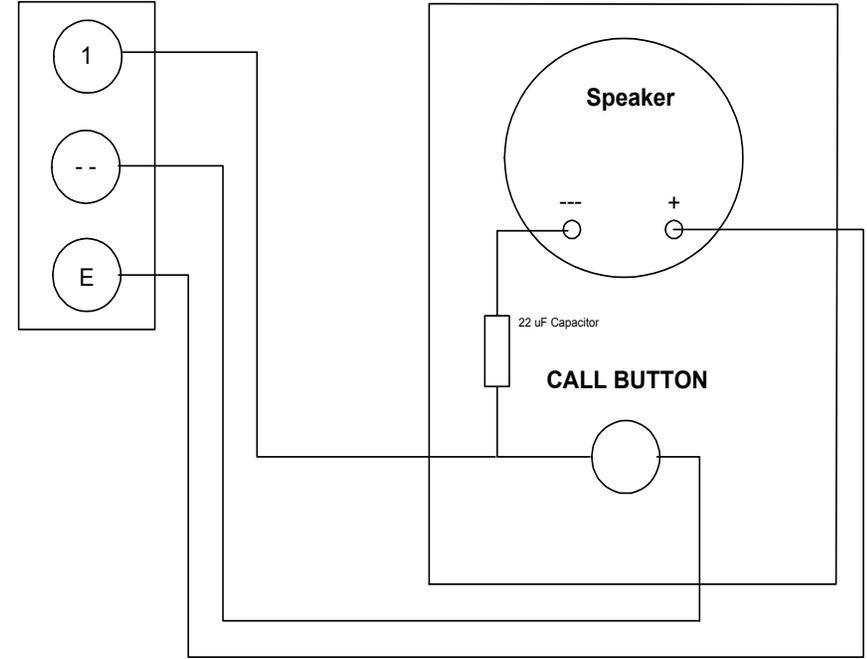
Maximum cable length per number of INSIDE STATIONS  
\*From Amp to INSIDE STATION

1 Station	600 feet
2 Stations	300 feet
3 Stations	160 feet
4 Stations	80 feet

Maximum number of stations per cable 4  
Maximum number of stations per system 20

# WIRING DIAGRAM FOR A-PHONE INTERCOMS

LEF Model



LEM & LAH Model

