KALATEL

TECHNICAL BRIEF:

KTD-135-1 Interface for Wireless Technologies Pan/Tilt/Zoom Receivers

Introduction

The KTD-135-1 allows a Digiplex system controller to operate Wireless Technology pan/tilt/zoom receivers. Up to 15 Wireless Technology (WT) receivers can be operated through a single KTD-135-1.

Installation of the KTD-135-1 involves mounting the unit, connecting the cables, and setting the DIP switch.
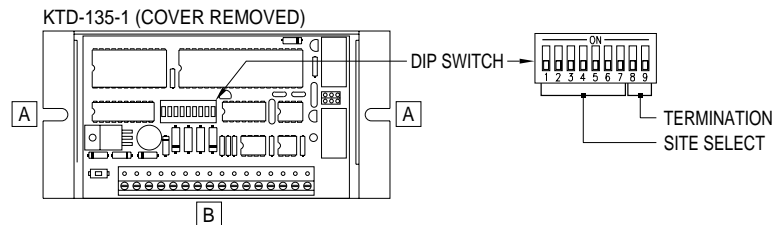
CAUTION:

Do **NOT** apply power to the unit until all installation steps are completed.

Mounting the Unit

Attach the KTD-135-1 using the mounting slots (A) located at each end of the unit.
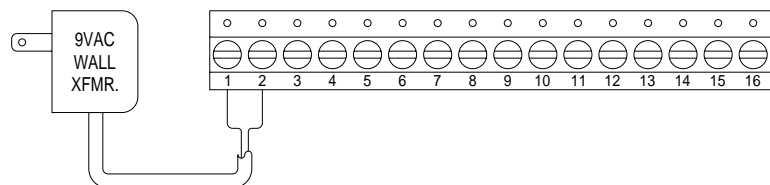

Figure 1: KTD-135-1 with cover removed
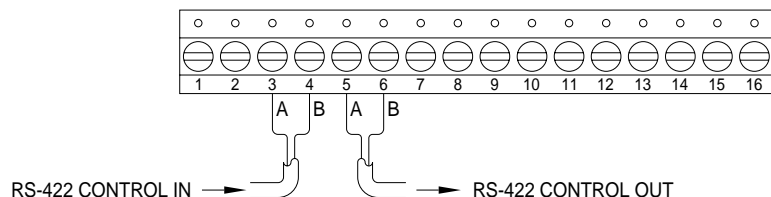
Connecting the Cables

Step 1) Pull the removable terminal strip (B) from its pins and make the cable connection as follows:
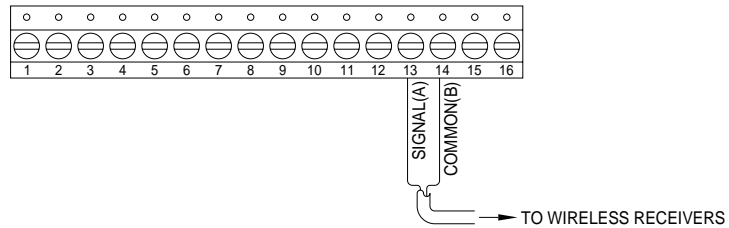

Figure 2: KTD-135-1 Power Connections

Observe polarity

Figure 3: KTD-135-1 RS422 Control Cable Connections

Observe polarity

Figure 4: KTD-135-1 DTMF Connections

SIGNAL (A)
COMMON (B)
→ TO WIRELESS RECEIVERS

Step 2) Reinstall the terminal strip.

Setting the DIP Switch   Refer to Figure 1.

Step 1) Remove the cover from the unit.

Step 2) Enter the KTD-135-1's address using the site select positions of the DIP switch as shown on the unit's decal.

Step 3) If the RS422 control cable does not loop out of the receiver to another unit, turn the line termination switches "on".

Step 4) Reinstall the cover.

The KTD-135-1 is now ready for operation. Provide power to the unit.

Multiple Receivers   The Wireless Technology p/t/z control system uses an address scheme which allows control of up to 15 units from a single DTMF control line. The addresses are 1 through 16 (excluding 12). Through the KTD-135-1 Interface Unit, a Digiplex keypad can address and control all 15 of the WT sites. When the keypad's site number selection matches the KTD-135-1's DIP switch address, pan/tilt/zoom commands control WT receiver 1. When the site selected is one higher, commands control WT receiver 2, etc.