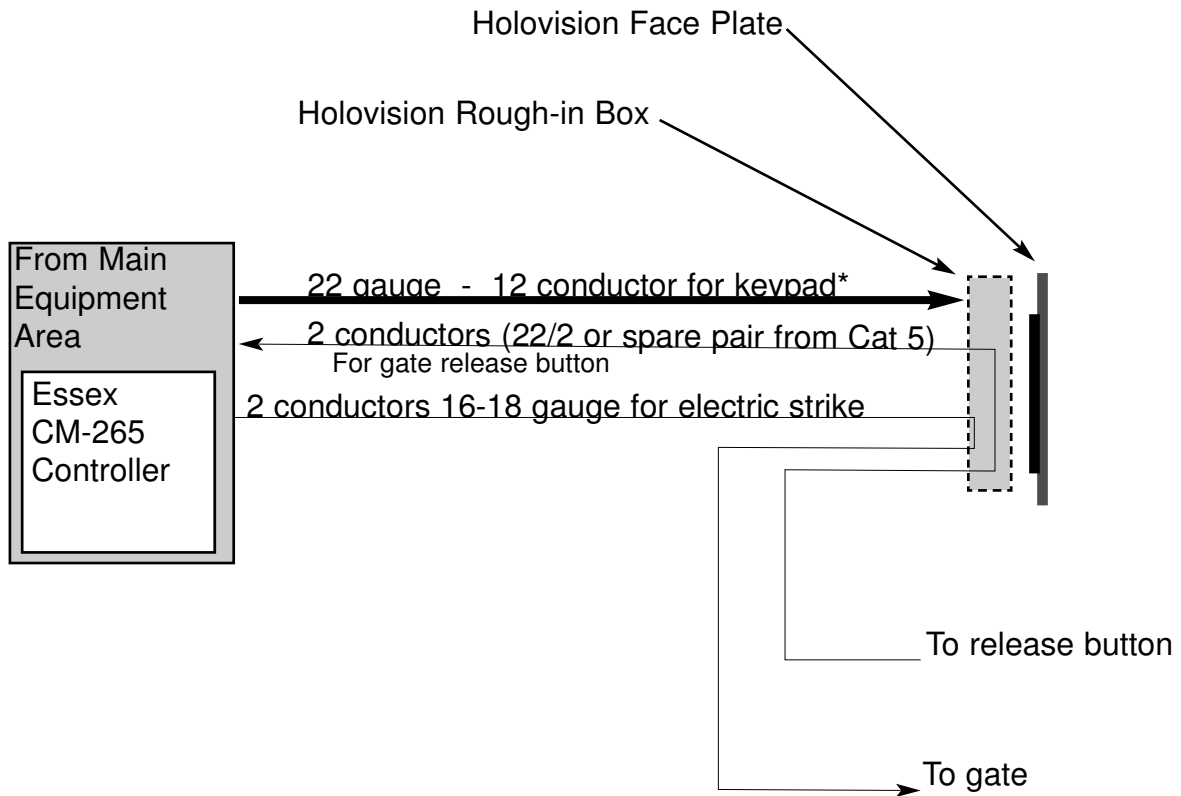


# Model 502 Prewire



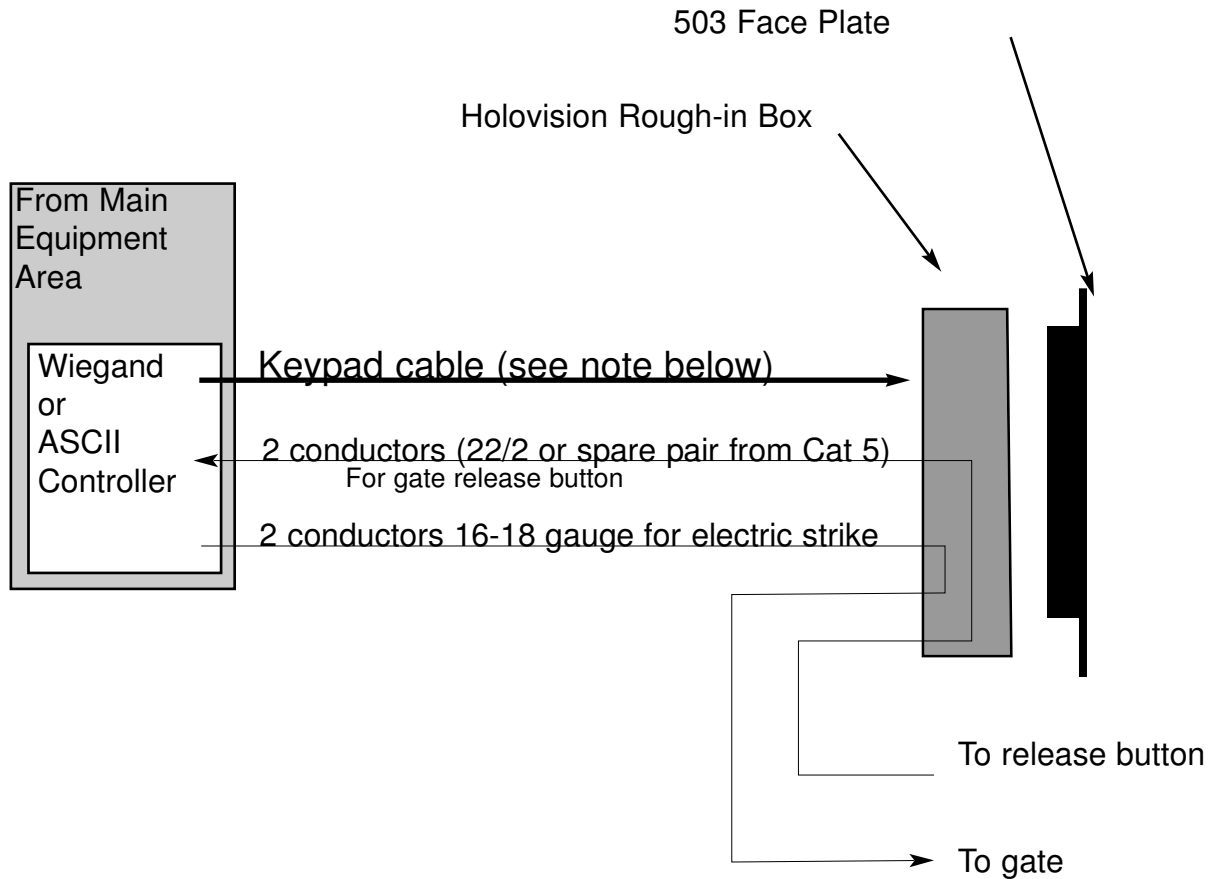
**Note on Essex Wiring:** Wires to connect to the **gate strike** and to the **gate release button** are required (see above). Electric motorized gates require only a contact closure from the CM-265. Electric strikes or mag locks can draw several amps, and the appropriate wire size should be calculated, however 16 ga should be adequate in most instances. Longer runs will require a heavier gauge wire.

**Note** that mag locks require constant power, whereas strikes require only momentary activation. Therefore, the calculation of wire size for mag locks is more critical.

**\*Note on placement of Essex Controller:** The Essex Model 265 controller is too large to fit in the Model 502 rough in box. It is recommended that the controller be placed in the equipment room. This 22 gauge 12 conductor cable (to connect the keypad to the controller) is recommended for a maximum of 250'. For longer distances, increase the wire gauge. 2 Cat 5 cables may be substituted for this 22/12 cable.

**Options:** Model 503-S12 does not require this 12 conductor cable. See Model 503

# Prewire for Model 503-A, 503-W



## Wiegand Keypads:

### Cable Distance

Wiegand or Clock-and-Data interface: 500 feet

### Recommended cable

Alpha 1295, Belden 5503FE 5 conductor, 22 AWG stranded with overall shield or equivalent

## ASCII Keypads:

### Cable Distance

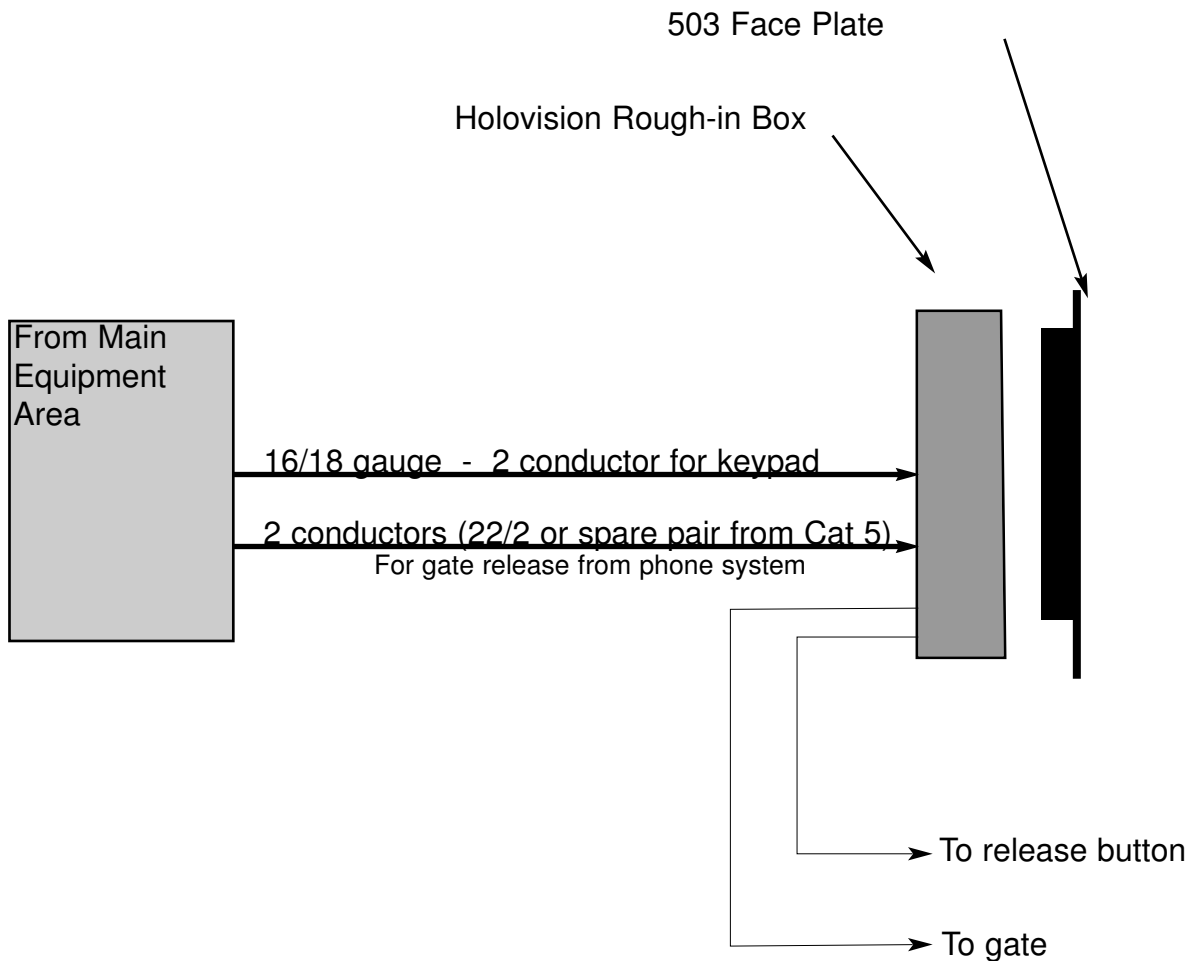
ASCII controller: 500 feet

### Recommended cable

Cat 5, Cat 6

# Prewire for Model 503-S12

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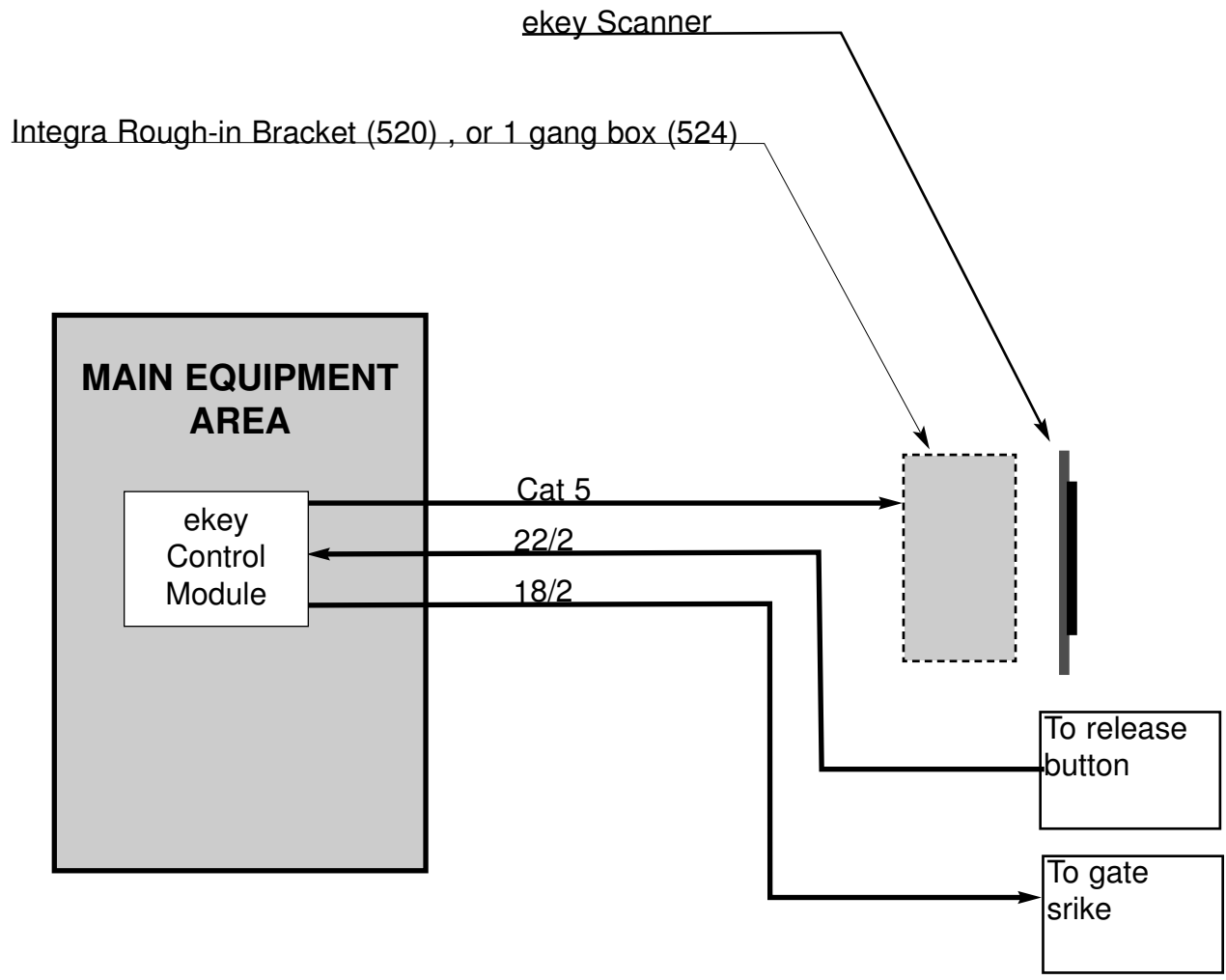


**Note on Essex Wiring:** Electric motorized gates require only a contact closure from the S12 keypad. Electric strikes or mag locks can draw several amps, and the appropriate wire size should be calculated. Longer runs will require a heavier gauge wire.

**Note:** If the power supply shipped with the S12 (12 VDC) is used to activate the strike, the strike will relieve 12 VDC. If AC is required for the strike, a separate pair of wires should be supplied.

# Biometric Prewire - Model 520, 524

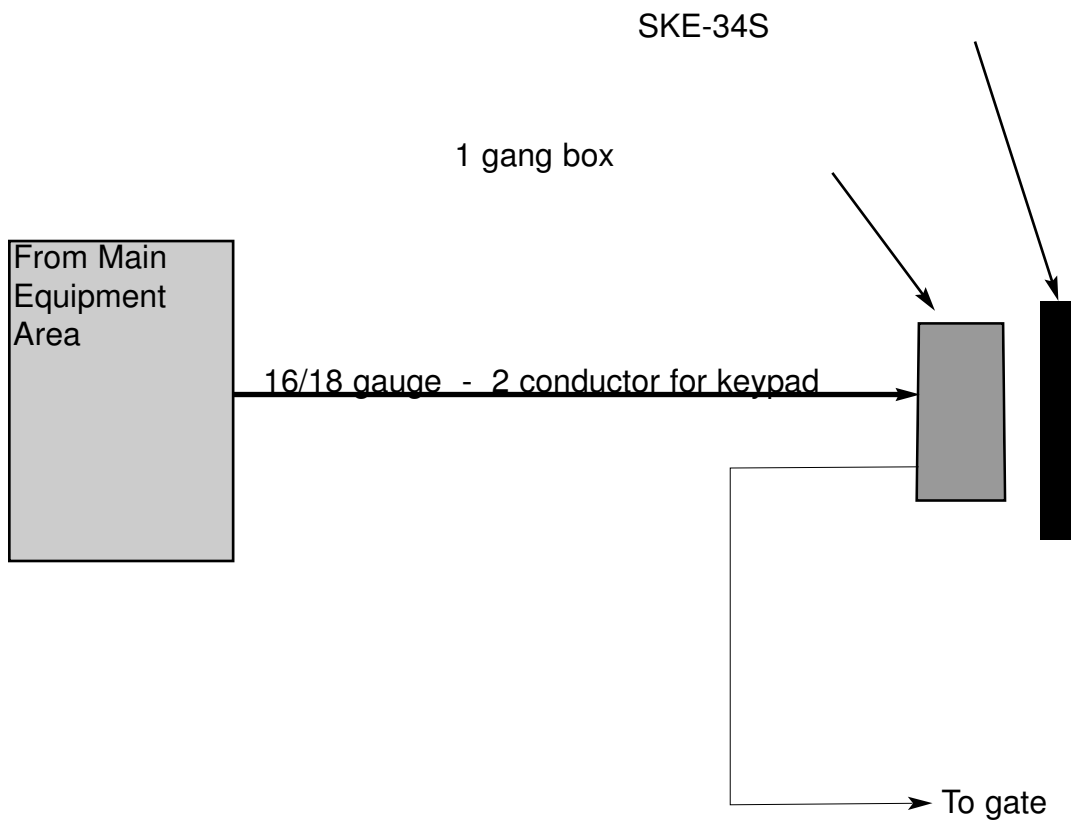
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**Note:**  
The recommended mounting height to the center of the rough-in ring is 62"

# Prewire for Model SKE-34S

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**Note on Essex Wiring:** Electric motorized gates require only a contact closure from the S12 keypad. Electric strikes or mag locks can draw several amps, and the appropriate wire size should be calculated. Longer runs will require a heavier gauge wire.