

ShadowProx Reader



SH-X5

Features

- Proximity technology
- Longer read range
- Single piece construction
- Bi-directional reading
- Weather resistant
- No direct contact required
- Easy installation
- Single reader for access and egress
- Install indoors or outdoors
- Sleek and contemporary design
- Consistent read range

The **SH-X5** long read range proximity reader is the next generation member of the popular *ShadowProx*[™] line of proximity readers, cards, and tags. Sleek and contemporary styling allows for installation in the most prestigious locations.

Designed for applications where maximum read range contributes to the convenience of the system, it is ideal for parking lots and access applications for the physically challenged (ADA requirement). Other applications, such as concealment behind or within thick materials, take advantage of the **SH-X5** bi-directional reading capability providing both access and egress from a single reader.

The single-piece **SH-X5** proximity reader provides consistent read range performance up to 71 cm (28 inches) at 12 to 24 VDC. Available in black, its electronics are both weather and vandal resistant.

The reader recognizes over 137 billion unique codes. Using the *ShadowProx*[™] family (Kantech Secure Format) provides increased security and guarantees against duplication of cards.



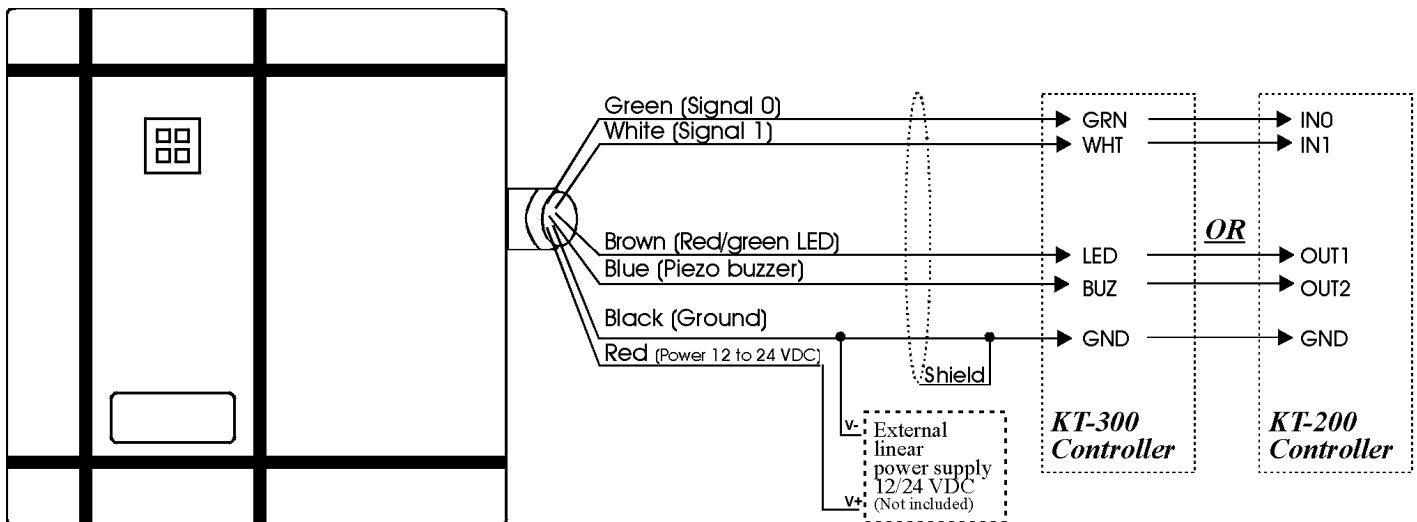
Made for Kantech by
proximity technology pioneer
MOTOROLA

Technical Specifications

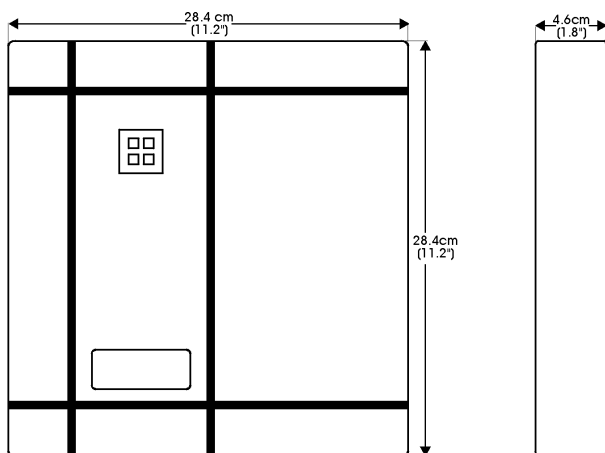
Maximum read range.....	Up to 71 cm (28 inches)
Dimensions (H,W,D) cm	28.4 x 28.4 x 4.6
Dimensions (H,W,D) inches	11.2" x 11.2" x 1.8"
Weight.....	1.45 kg (3.2 lbs)
Color	Black
LED indicator	Tri-color (red, green & amber)
Kantech reader type.....	Reader Type 13 (ShadowProx)
Output.....	Kantech Secure Format (KSF)
Frequency	117, 125 & 133 kHz (excitation) manually selectable
Installation	Indoor & outdoor
Input voltage	12 to 24 VDC at the reader
Power source	External linear regulated power supply
Current nominal / maximum @ 12 VDC	1.0A / 1.2A
Current nominal / maximum @ 24 VDC	750mA / 900mA
Cable	6 conductors, #18AWG, shielded, Belden ref.: #9553
Maximum distance from controller	150m (500 feet)
Operating temperatures	-35°C to 65°C (-30°F to 150°F)
Certifications	UL294, FCC Class A

Compatible cards: SH-C1, SH-K1, SH-CMG1, SH-CMG2, SH-CMG3, SH-CMG4 & SH-V159.

Wiring Diagram with KT-300 and KT-200



SH-X5



SH-X5
Dimensions

Note: Computer monitors within the immediate vicinity of reader or mounting on metal will reduce read range.