

# Product Data Sheet

## Noise Tolerant MaxiProx Proximity Reader

The Noise Tolerant (NT) MaxiProx Reader provides a significant improvement in long range reading consistency. New signal processing techniques incorporated in this reader provide a high tolerance to burst and other transient types of ambient RF interference. This makes the NT MaxiProx reader ideal for installations incorporating parking control, or where special consideration is needed to facilitate access for the physically challenged.

The NT MaxiProx reader packages all of the electronics in one rugged, attractive, and easy-to-install housing. The broad selection of Morley/HID proximity readers allows the use of one card for all your access control requirements.



### Features

#### **Extended read range:**

The NT MaxiProx™ reader provides up to 30" (76 cm) of consistent read range.

Mounting: Mount reader on non-metallic surfaces for optimal read range performance.

#### **Audiovisual indication:**

When a proximity card is presented to the reader, the red LED flashes green and the beeper sounds. The multicolour LED and beeper can also be controlled individually by the host system.

#### **Warranty:**

NT MaxiProx readers are warranted against defects in materials and workmanship for life from date of shipment. (See complete warranty policy for details.)

#### **Easily interfaced:**

The NT MaxiProx reader interfaces with all existing Wiegand protocol access control systems

#### **Indoor/outdoor design:**

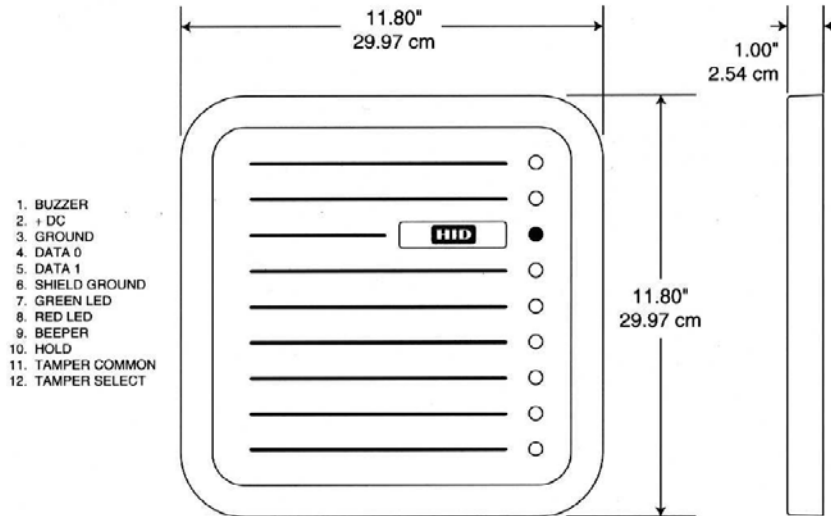
The NT MaxiProx reader is sealed in a rugged, weatherized polycarbonate enclosure designed to withstand harsh environments as well as provide a high degree of vandal resistance for reliable performance anywhere.

#### **Security:**

The NT MaxiProx reader includes a tamper switch to provide electronic notification of reader tampering. The NT MaxiProx reader recognizes over 137 billion unique codes.

#### **Diagnostics:**

On reader power-up, an internal self-test routine checks and verifies the setup configuration, determines the internal or external control of the LED and beeper, and initializes the reader operation.



## Specifications

### Typical maximum\* read range:

Vehicle ID Tag up to 30" (76 cm)  
 ProxCard II card up to 24" (61 cm)  
 ISOProx II card up to 16" (40.5 cm)  
 ProxKey II keyfob up to 12" (30.5 cm)  
 ProxCard Plus card up to 9" (23 cm)

### Dimensions:

11.8" x 11.8" x 1.0"  
 (30.0 x 30.0 x 2.54 cm )

### Material:

Polycarbonate UL 94

### Power supply:

24 VDC  
 Linear power supplies are recommended.

### Current requirements:

Current (DC)  
 Average 1 A  
 Peak 1.7 A

### Ordering Information

#### Part Number

105026 – NT MaxiProx Proximity Reader

### Operating temperature:

-22° to 150° F (-30° to 65° C)

### Operating humidity:

0-95% relative humidity non-condensing

### Weight:

1.4kg. (51oz)

### Transmit frequency:

125 kHz

### Certifications:

UL 294 listed  
 FCC part 15, United States  
 DTI (MPT 1337), United Kingdom  
 CE Mark approved  
 BZT pending

### Cable distance:

Wiegand interface: 150m (22 AWG 500 feet)  
 Recommended cable is ALPHA 1295 (22 AWG)  
 5 conductor stranded with overall shield or  
 equivalent. Additional conductors may be  
 required for LED or beeper control.

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