

DGT WR110



Series Overview

The DGT WR110 is a mini-sized, economic proximity access control reader engineered to provide streamlined contactless card validation within an ultra-compact footprint. Encased in a fully potted ABS shell with an IP66 index of protection, this resilient slave reader is built to endure extreme climate environments, allowing seamless surface mounting in both indoor and unconditioned outdoor locations. By outputting raw credential scans through a standard multi-bit Wiegand connection to a secure backend master controller, it delivers a highly secure physical entry solution for space-restricted door frames, gates, and commercial building perimeters.

Functions

Ultra-Compact Mini Layout:

Features a space-saving architectural body measuring just 70mm x 37mm x 17mm with a total unit weight of 88g, optimized for narrow door frames and tight mullion installations.

Fully Potted Protection:

Constructed with an IP66-rated weatherproof ABS housing that is completely sealed to shield internal electronics from moisture, dust, and outdoor exposure.

Standard Proximity Scanning:

Utilizes responsive 125KHz radio frequency technology to read standard EM format cards at a contactless reading distance of 1 to 5 cm.

Flexible Wiegand Interface:

Outfitted with an adaptable hardware output configuration supporting both Wiegand 26-bit and 34-bit communication protocols for broad control panel compatibility.

All-Weather Thermal Endurance:

Proven to maintain consistent operational logic across a severe environmental temperature spectrum ranging from -40°C up to +60°C.

Low-Draw Slave Architecture:

Integrates cleanly into centralized power distribution setups, running on a flexible 9~18V DC input while pulling a low standby current of over 25mA.



Technical specification

Operating Voltage	9~18V DC
Frequency	125KHz
Card Type	EM card
Reading Distance	1~5 CM
Output Format	Wiegand 26/34 bits
Operating Temperature	-40°C~60°C (-40°F~140°F)
Standby Current	>25mA
Operating Humidity	10%~98%RH
Index of Protection	IP66
Physical	ABS
Dimension	L70 x W37 x 17 (mm)
Weight	88g