

DGT MC310



Series Overview

The DGT MC310 is a compact, high-efficiency standalone access control controller designed to centralize and secure single-door entry systems. Housed in a lightweight, black ABS shell with integrated screw mount tabs, this indoor control hub safely bridges remote biometric/proximity readers with physical electronic locking hardware. By keeping the sensitive relay logic separated from the public-facing entry terminal, it minimizes the risk of physical lock tampering and wire shorting, providing a streamlined and secure network structure for commercial and residential installations.

Functions

Secure Standalone Database:

Manages an internal memory log capable of authorizing up to 1000 physical hardware users and 500 mobile app-based credentials simultaneously.

Clean Wiegand Decoupling:

Features an integrated multi-bit Wiegand interface input (supporting 26~44, 56, and 58bits) to ensure universal compatibility with external card, PIN, or biometric readers.

Configurable System Relay:

Outfitted with an onboard internal relay terminal (offering NO, NC, and Common layouts) featuring a programmable door opening timer setting from 0 to 99 seconds.

Comprehensive Peripheral Terminal:

Engineered with a structured screw-terminal interface providing dedicated connection lines for power inputs, lock mechanisms up to a 2A load, exit buttons, alarms, door status contacts, and doorbells.

Low-Power Operating Footprint:

Runs on a standard stable 12V DC current flow, maintaining an exceptionally low idle consumption profile under 100mA during standby mode.

Compact Indoor Enclosure:

Formed into a space-saving chassis measuring just 91mm x 48mm x 20mm, optimized for discrete installation inside ceiling voids, electrical closets, or utility boxes.



Technical specification

User Capacity Hardware User	1000
User Capacity APP User	500
User Capacity Common User	987
User Capacity Visitor User	10
User Capacity Panic User	2
User Capacity Authorized User	1
Operating Voltage	12V DC
Idle Current	≤100mA
Active Current	≤150mA
Wiring Connections	Relay output, exit button, alarm, door contact, Wiegand input, Door Bell (for WiFi version only)
Relay	One (NO, NC, Common)
Adjustable Relay Output Time	0~99 Seconds (5 seconds default)
Lock Output Load	2 Amp Maximum
Wiegand Interface Input	Wiegand 26~44, 56, 58bits
Environment	Indoor
Physical Shell	ABS Shell
Operating Humidity	0~90%RH
Physical Colour	Black
Physical Dimensions	L91 x W48 x D20 (mm)
Physical Unit Weight	63g
Physical Shipping Weight	73g

