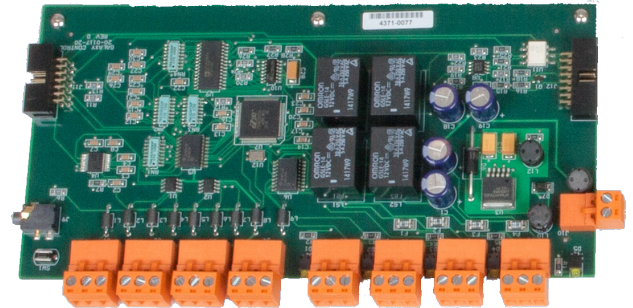# GCS DIGITAL INPUT/OUTPUT
635 DIO

Digital Input/Output Board (DIO): The DIO board controls inputs & outputs with user-defined schedules and an extensive array of configurable options. The DIO board reports the ap-propriate input status and alarm event (trouble or safe) based on configuration.

Supervision of inputs is supported by the DIO board. And as an added layer of protection, the DIO also offers an on-board feature, known as Hypervision, which protects the supervision from being defeated. These inputs shall provide four-state supervision with user-selectable resistor values for Normally Open, Normally Closed, Trouble Open, and Trouble Short.

REQUIRES: Controller w/ 635CPU

FEATURES:

- (8) Supervised Inputs
- (4) Form C Output Relays, 1.5amps @24vdc
- LED Indicators for Each Relay

- Monitor Normally Open or Closed Contact Devices
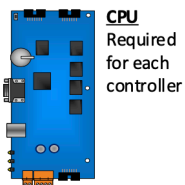- Inputs/Outputs are Software Programmable
- Hot Swappable

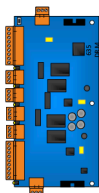Galaxy 635 Hardware Line has the following certifications: **FICAM   DIACAP/RMF**   CE   c(UL)us LISTED
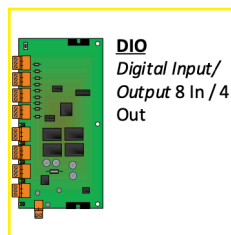
Galaxy is a simple, single platform that allows boards to intermingle within one cabinet. All 635-series interface boards are "hot-swappable" and intelligent. You can change or add boards while the panel is powered up and operating. And the intelligent design means the boards will synchronize to the system and begin operating within minutes. This provides uninterrupted security during maintenance and upgrades.
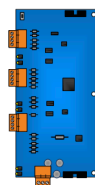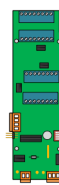
CPU
Required for each controller

DRM
Dual Reader Module
Readers & door devices

DIO
Digital Input/ Output 8 In / 4 Out

DSI
Dual Serial Interface
2 channel RS485

AMM
Alarm Monitoring Module
16 Inputs
Uses RS485 via DSI

ORM
Output Relay Module
8 Outputs
Uses RS485 via DSI

SYSTEM CONNECTIONS:

- I2C BUS-CPU Communication.
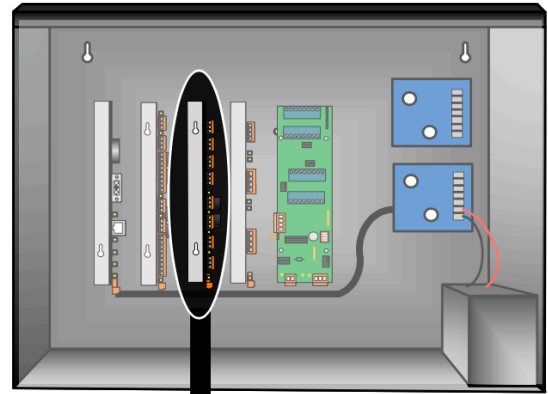- 12vDC Power
- Factory Test Station (FTS)

DEVICE CONNECTIONS:

- (8) Fully Supervised Inputs
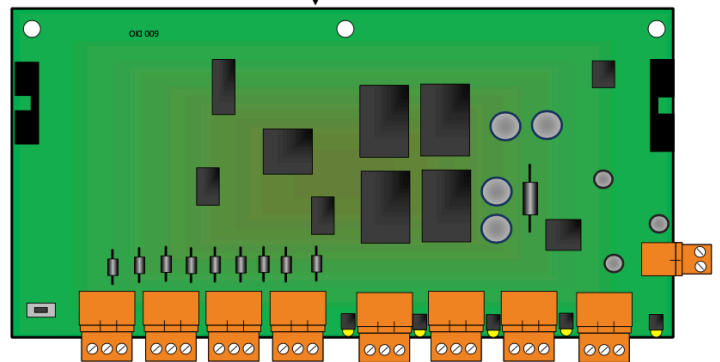- (4) Form C Relays 1.5a @24vDC

SUGGESTED USES:

- Output Notifications
- Device Monitoring
  - Door Position Switches
  - Break-glass Detectors
  - Area Monitor Detectors
  - Any Normally Open or Closed Contact
   Devices

In-Controller Mounting

20-0117-20

GCS Hardware 635 Series Control Panels

All Controllers Include:				
- Door Lock - Tamper - Power Supply w/ Harness - 12v 4ah/7ah Battery* - 12C Bus (ribbon cable) Factory Config. Cable				
Board Capacity (slots) Excl. 1 for Required CPU	1	5	11	5
Reader Capacity	2	2-8	2-16	2-8
Dimensions (HxWxD) in: cm:	12x12x4 30x30x10	18x13.75x6.25 46x35x16	32x13.75x6.25 81x35x16	7x19x18.75 4U 18x49x48
Input Power	3amp** (PoE 15/30w)	3amp/6amp**	6amp	3amp/6amp**
Weight lbs kg	2	2-8	2-16	26lbs (11.79)

18ga. Epoxy finish, hinged, knockouts

* Denotes 4ah 2-Door Panel Only   ** Denotes Life Safety Power Supply Option