GAYATRI
Control and Automation Private Limited
### Matters of pride & precision
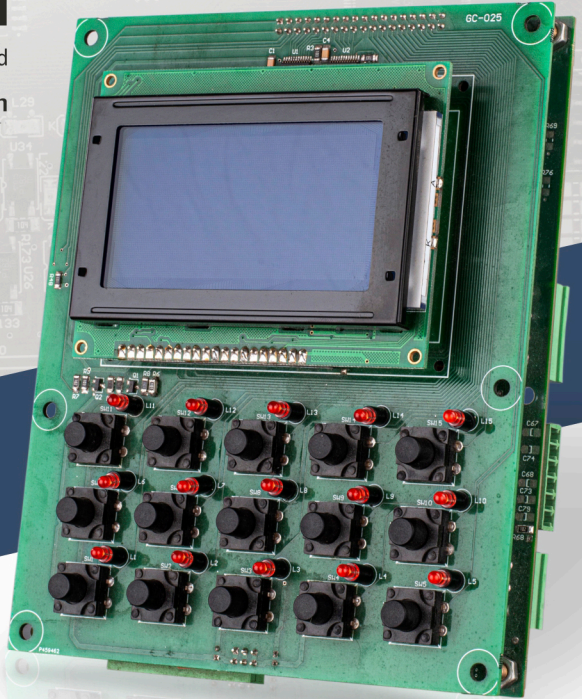
Remote I/O Module

- Easy to use.
- Analog current, voltage, resistance & temperature inputs available
- Digital inputs available
- Analog current and voltage outputs available
- Loadcell input Available with 24Bit Resolution
- Reliable performance
- Strong construction
- Protection grade IP30
- Large working voltage DC 9-36V
- Anti-reverse connection protection function.
- Equipped with LED indicator of operating status troubleshooting on site.

- The communication protocol adopts the standard for Modbus TCP protocol, Modbus RTU over TCP protocol,
- Small Product Size Easy Installation with DIN Rails
- Capable of Expanding the Number of I/O Points on the Controller
- Removable Screw terminals
- −10°C to +40°C operating temp.

SSR & Relay Interface card

- 24V DC 3A and 5A Output
- Fuse for Output Protection with fuse blown indication
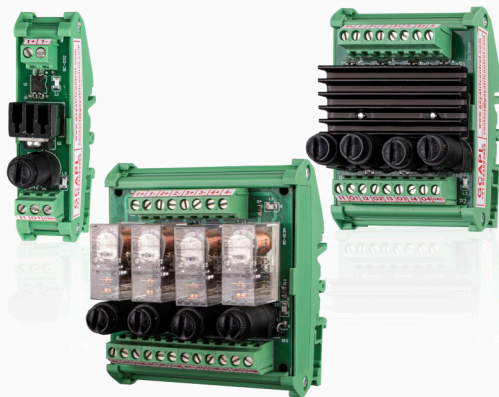
RELAY

- Sink or Source Universal Input 24V DC with indication
- Relay switching Current upto 10 A at 230 VAC (or 30 VDC).
- Replaceable fuses with simple to operate vertical fuse holders-Fast Blow & Slow Blow fuses available as standard
- Freewheeling diode across relay coil.
- DIN Rail mounting

SSR

- Sink or Source Universal Input 24V DC with indication

Display for variable speed drive

- 2 line seven segment display for Current, Speed, Frequency & various parameter
- Any Drive supported communication protocol Modbus-RTU
- No external power supply requires
- Mounting Dimension 48 x 72mm

DC to DC Converter

- DC to DC converter for DIN rail mounting,
- Input: 12 V DC ... 24 V DC,
- Output: 5 V DC ... 15 V DC/2 A
- LED status for output
- DIN Rail mounting

Thyristor Power Controller- Digital

TPR 3000 and TPR 6000

Feature

- Control input: 4-20mA/0-20mA/0-5VDC/POT/KEY
- Various alarm mode (Over Current, Over Temperature, Busbar Temperature, Load Unbalance and Phase Loss)
- Fault alarm output / Run alarm output
- Programmable soft start, fan control, retransmission and firing selection.
- Selectable 3-wire / 4-wire connection
- Auto / manual mode operation is possible.
- Programmable Current Limit Function
- TRMS CT measurement with average current
- Compact size
- RS485 (MODBUS-RTU)

Machine Controller

## Application-Ready Embedded Platform Flexible and Cost-Optimized

Each customer's application is unique in some way. GCAPL Controller Product is designed to meet the exact requirements of your application by offering an economical way to obtain popular customizations Product in small quantities at reasonable prices.

Advantages of Embedded Solution

- Control your Cost
- Smart solutions with easy expansion capability
- Flexible mounting options.
- Long Life Cycle
- Dedicated System Solution with Industrial grade
- Conformal coating to prevent moisture as per Demand
- Graphical User Interface (GUI) Design

DESCRIPTION:

- Machine Controller 153 x 120 mm, 24 VDC Input Power,
- 15 Programmable Interface key
- Programmable LCD display, 128 x 64 pixels
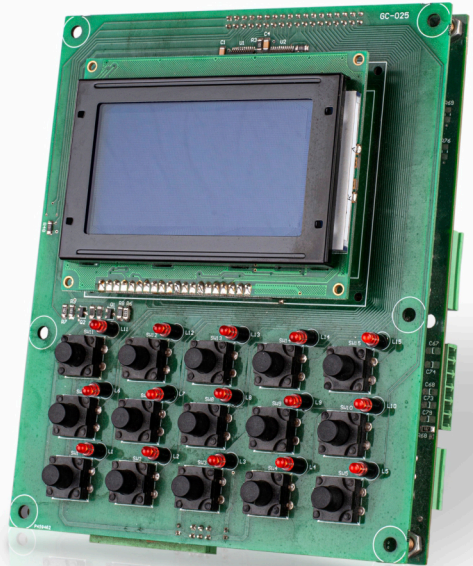
- 16 Digital Input, 8 Digital Output (Support PWM), 24 Bit Analog Input (0..20mA, 4..20mA , Temperature measurement), 24 Bit loadcell input
- ARM® Cortex™-M4F processor core
- 120-MHz operation; 150 DMIPS performance
- 1024 KB Flash memory
- 256 KB single-cycle System SRAM
- 6KB of EEPROM
- Internal ROM loaded with TivaWare™ for C Series software
- 8-/16-/32- bit dedicated External Peripheral Interface (EPI) for peripherals and memory

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