



Manufacturer's Representative

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www.ttservicesinc.com



Proximity Sensors Photo Electric Sensors
Magnetic Sensors Counters and Timers
Hour Meters



DIN Rail Power Supplies
Din Rail Panel Heaters and Thermostats
Enclosure Air Conditioners and Filter Fans
Humidity Controls for Enclosures



Rectangular Multi-pole Connectors
High Temperature Connectors
Modular Style Connectors
Data Entry Cable Hoods
IP68 Rated Connectors
EMI and Aggressive Environment Connectors



Mini, Micro (M12), & NANO (M8) Connectors
Metal, Plastic, (NPT, PG, Metric) Cable Glands
Mini, Micro, and Nano Junction Blocks
Device Net & Industrial Ethernet Cables/Connectors
Din 43650 Valve Connectors
Panel Interface Connectors



Premier Safety Switch Mats
Treadle Pads
Sensi-Switch-Fingertip Control
Fail Safe Controllers
Operator Control Mats



Tower Lights & Accessories
Rotary & Strobe Lights
Panel Mount Buzzers & Signal Alarms
Push Buttons, E-Stops, Pilot Lights
Andon & LED Displays



Non-Metallic NEMA 4X Enclosures
Fiberglass and Polycarbonate Enclosures
Hinged Transparent Doors & Covers
Floor Pads / Bases
Custom Modifications to Stocked Enclosures



www.amanda-nicole.com

*"Products to enhance the way
that you live!"*

Sensors, Controls, Counter, Timers

Fargo Controls proximity sensors are of the highest quality, durability & repeatability to meet today's tough industrial requirements. We provide a wide range of proximity sensors to meet all types of applications.

Proximity sensors detect the presence of an object without physical contact. Typical applications include the control, detection, position, inspection and automation of machine tools and manufacturing systems. They are also used in the following machinery: packaging, production, printing, plastic molding, metal working, food processing, etc.

Inductive Sensors

Detection of metallic objects



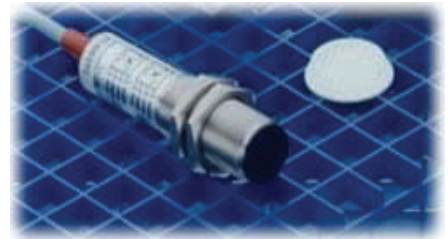
Capacitive Sensors

Detection of Liquid, Plastics, Wood



Photoelectric Sensors

Uses light to detect objects



Rotation Controls



Magnetic Sensors

Detect presence of magnets



Connector Cordsets

For faster installation



Fargo Controls offers innovative solutions for a wide range of applications requiring Counters, Ratemeters & Timers.

Typical applications include counting, timing, positioning, length & rate display, batch counting, coil winding, numeric positioning, maintenance, and length measurement control. These devices are used in the following type of machines: packaging, production, printing, plastic molding, metal working, food processing, portable equipment and meters.

Fargo Controls—The Sensible Choice

***P.O. Box 539 · Eatontown, NJ 07724 · 732-389-3376 · 800-241-3755
Fax 732-542-3553 · www.fargocontrols.com · [email:sales@fargocontrols.com](mailto:sales@fargocontrols.com)***

Genesis Automation Inc. Offers great prices on a broad range of DIN rail mount electrical components, automation products, encoders, sensors, cables and connectors for industrial applications. These innovative products are sold through a network of Representatives and Distributors throughout North America.



DIN Rail Power Supplies
1 & 3 Phase, 5-2000 Watts



Incremental & Absolute Encoders



Signal Conditioners & Encoder Interfaces



Electronic, Mechanical & E/M Counters



DIN Rail & Inline Thermostats & Humidity



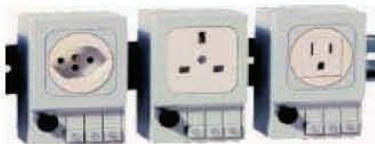
DIN Rail Mount Enclosure Heaters



Enclosure Filter Fans



Enclosure Air Conditioners



DIN Rail Outlets for US & European Countries



Disconnects & Cam Switches



DIN Rail Terminal Blocks



Enclosure Lights with Outlet, Switch or Motion



Sensor Cables - M12, M8, Micro AC & Mini



DIN Valve Connectors



Sensor Junction Boxes & Extension Cables



Industrial Signal Products
www.signaworks.com

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(614) 873-0980 (614) 873-0982 Fax
www.genesisautomationonline.com

GDA Series DIN Rail Power Supplies *5, 10, 18, 30, 60 & 120 Watts*

High Quality
Compact Size
Compact Price



GDA30-24

Wattage	Voltage
5	5
10	12
18	15 (on 5-18W)
30	24
60	48 (on 30,60W)

GDA120-24-S S A

Wattage	Voltage	Options
12	12	S: w/o PFC F: with PFC
24	24	A: screw terminal B: connector plug
48	48	S: w/o parallel operation F: with parallel operation

Features

- DIN rail mounting
- Wide input range 100-240 VAC
- Adjustable output voltage
- Finger safe terminals - spring clamp on 5-60 watt, screw type on 120 watt
- LED output indication (green)
- LED output low indication on 5,10,18,120
- Relay output for DC signal on 30-120 watt
- Overload & short circuit protection
- No load protection
- Fused input
- UL 1950 (E222876), UL 508 (E222875), CE
- Transformer isolation: 3kV
- Power factor correction option on 120 Watt
- Parallel connection option on 120 Watt

Other Power Supplies Available

- DIN rail 1 phase 250-1000 watt
- DIN rail 3 phase 120-2000 watt
- DC/DC converters - PCB and DIN rail
- PCB mount and open frame type
- Linear power supplies
- Wall mount plug-in

Output Voltage	Adjustable Range
5 Volts	5-5.5 Vdc
12 Volts	12-14 Vdc
15 Volts	15-16.5 Vdc
24 Volts	24-28 Vdc
48 Volts	48-55 Vdc



GDA Series DIN Rail Power Supplies

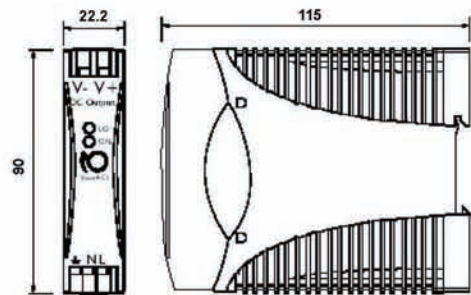
5, 10, 18, 30, 60 & 120 Watts

Specifications

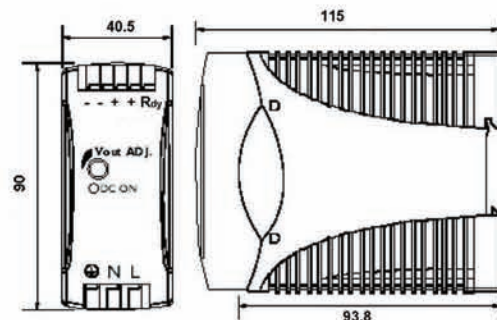
Input Voltage Range: 90-265 (Rated 100-240 VAC)
Frequency: 47-63 HZ
Fuse: 2A / 250 VAC slow blow
Output indication: Green LED
Output low indication: Red LED (5,10,18,120 Watt)
Relay output: High and low limit based on voltage out
Current limiting: Fold back, automatic reset
Short circuit protection: Continuous
Overload protection: Yes
Recovery time: 300 μ S
Ripple & noise (p-p): 50 mV
Output isolation voltage: 3000 VAC
Inrush Current: 5,10,18: 10A at 115VAC, 18A at 230 VAC 30,60: 16A at 115VAC, 32A at 230 VAC 120: 24A at 115VAC, 48A at 230 VAC
Operating temperature: -10°C to +50°C
Derating: 2% / °C from 51 to 71 °C (120 Watt 1.5%/°C)
Storage temperature: -40°C to +85°C
Cooling: Natural convection (25 mm free space top & bottom)
Wire Size: 0.2-2.0mm ² (AWG24-14) for 5-60 Watts 0.2-6.0mm ² (AWG24-10) for 120 Watt
MTBF: 167,000 to 235,000 hrs. Depending on wattage
Case Material: 15,10,18,30 & 60W- Plastic; 120W - Metal

Dimension Diagrams

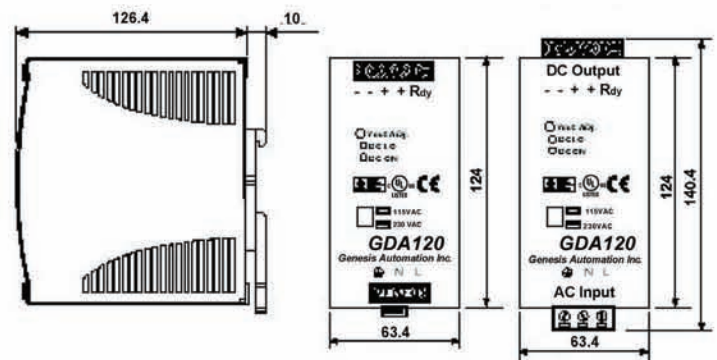
GDA 5, 10, 18 Watt



GDA 30, 60 Watt



GDA 120 Watt



Model	Efficiency at 24V
GDA05	72%
GDA10	76%
GDA18	77%
GDA30	84%
GDA60	86%
GDA120	86%





GDA 240 Watt DIN Rail Power Supply

**High Quality
Compact Size
Compact Price**



GDA240-24-S

Wattage

Voltage

24

48

A: screw terminal
B: connector plug

Features

- DIN rail mounting
- Wide input range 100-240 VAC
- Adjustable output voltage
- Parallel operation with switch
- Power Factor Correction (PFC)
- Finger safe screw terminals
- LED output indication (green)
- LED output low indication
- Relay output for DC signal
- 88-90% efficiency
- Overload & short circuit protection
- No load protection
- Fused input
- UL 508 (E222875), CE
- Transformer isolation: 3kV

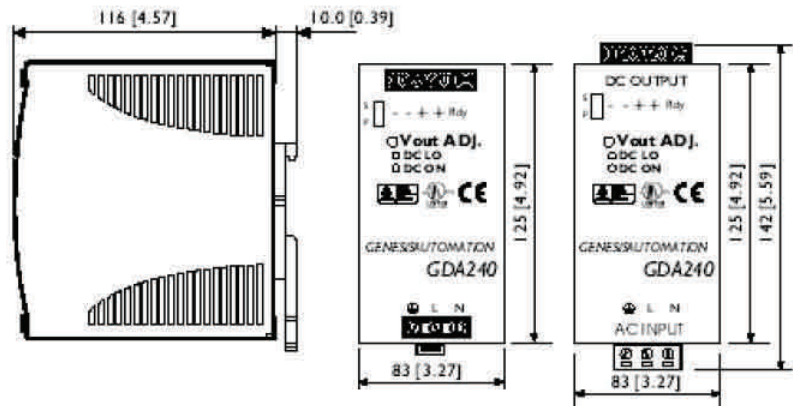
Other Power Supplies Available

- DIN rail 1 phase 5-1000 watt
- DIN rail 3 phase 120-2000 watt
- DC/DC converters - PCB and DIN rail
- PCB mount and open frame type

Output Voltage	Adjustable Range
24 Volts	22.5-28.5 VDC
48 Volts	47-56 Vdc



mm [inch]



Thermal and Humidity Control for Panels

Genesis Automation offers a broad line of products to protect your enclosure components from the harsh effects heat, cold, and condensation.



25mm DIN Rail Fan Heater



40mm DIN Rail Fan Heater



80mm DIN Rail Fan Heater



Standard DIN Rail Convection Heater



Large DIN Rail Convection



Enclosure Filter Fans & Exhausts



Top Mount Filter Fans



Wall Mount Enclosure Air Conditioners



Top Mount Enclosure Air Conditioners



Enclosure Air Heat Exchangers



Outdoor Enclosure Air Conditioners



Explosion Proof & Specialty Air Condi-



Slim Wall Mount Air Conditioners



Slim Flush Wall Mount Air Conditioners



Air Water Heat Exchangers



Electronic Thermostat Alarm



DIN Rail Thermostat



Dual Heat & Cool Thermostat



Humidity & Temperature Controller



Standard version.

This series has been developed for application in electric and electronic machinery, control units, electric panels, control equipment, industrial environments, and in general, wherever a sectional and reliable connection is required for power and signal circuits.



Version for aggressive environments.

This series has been developed for industrial applications with particularly aggressive external agents (e.g. salt atmospheres or ambients, etc.).



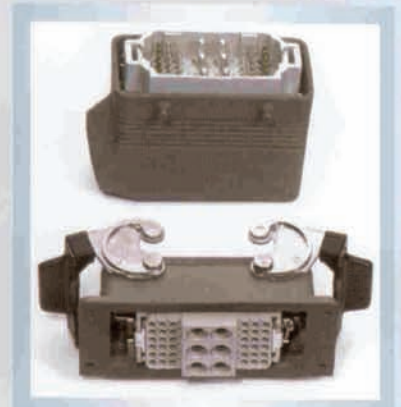
180° C version.

This series has been developed for industrial applications where the ambient temperatures are particularly harsh (from -40 °C to +180 °C). These enclosures are for use with inserts in self-extinguishing thermoplastic material (PPS polyphenylene sulphide).



EMC version.

This series has been developed for industrial applications that require Electromagnetic Compatibility (EMC) in accordance with the European standards that regulate the emission and immunity of the equipment.

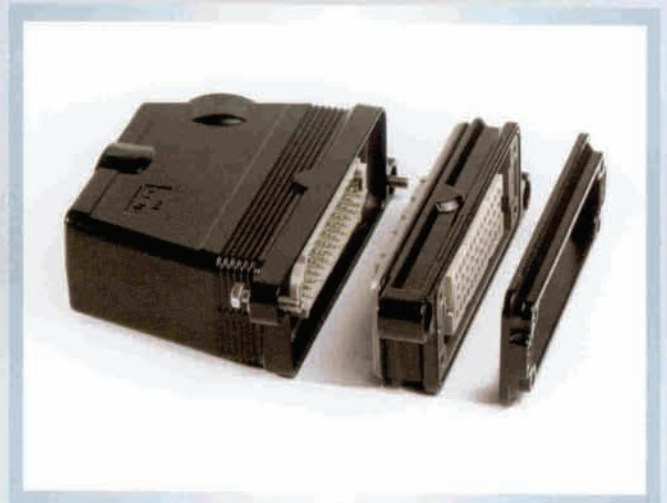


High protection IP68 version.



For applications in the railway sector and whenever the following characteristics are demanded: high pressure, impact and corrosion resistance, in protection class IP68.

Bayonet closure (left)
Screw closure (right)



Cables and Receptacles



Mencom Corporation

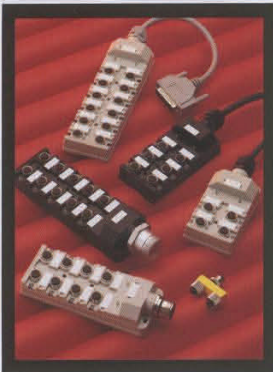
- Min-Series Size I, II, & III
- MAC, MDC, MEC Series
- NAN Series
- PVC & PUR Cable

Mencom Corporation

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Junction Blocks



Mencom Corporation

- 4 thru 12 Ports, 24 Devices
- AC and DC Available
- 24 - 120 Volts
- LEDs Available
- Variety of Trunk Connections

Industrial

Connection

Products

For application assistance...

Call and Connect with Mencom

1-770-534-4585

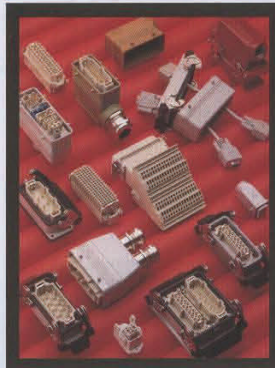
Valve Connectors



Mencom Corporation

- DIN 43650 Form A, B, & C
- Industry Standard Form B & C
- Field Wireable
- Molded Cabled Versions

ILME Connectors



Mencom Corporation

- 10A - 80A, 3 thru 216 Poles
- Stainless Steel Levers, Springs & Pins
- Crimp, Screw, & Spring Contacts
- High Temp. & Aggressive Environment

Panel Interface Connectors



Mencom Corporation

- Safely Interface with PLC
- NEMA 4 Enclosure
- Over 2,000 Different Units
- Custom Configurations Welcome

The Switch Is On ...to Recora Solutions in Perimeter Control

with NEW Active Edge for total protection

RECORA SWITCHMATS® SWITCHMATS stop robots and machinery in their tracks!

Recora Series 14HD Switchmats provide effective safety barriers to both workers and vehicles entering hazardous or restricted machine and production areas. They can be wired to stop (or start) robots, machinery, doors, alarms...most any type of mechanical or moving equipment imaginable. Recora Switchmats are used in almost any environment, wherever safety and security are paramount.

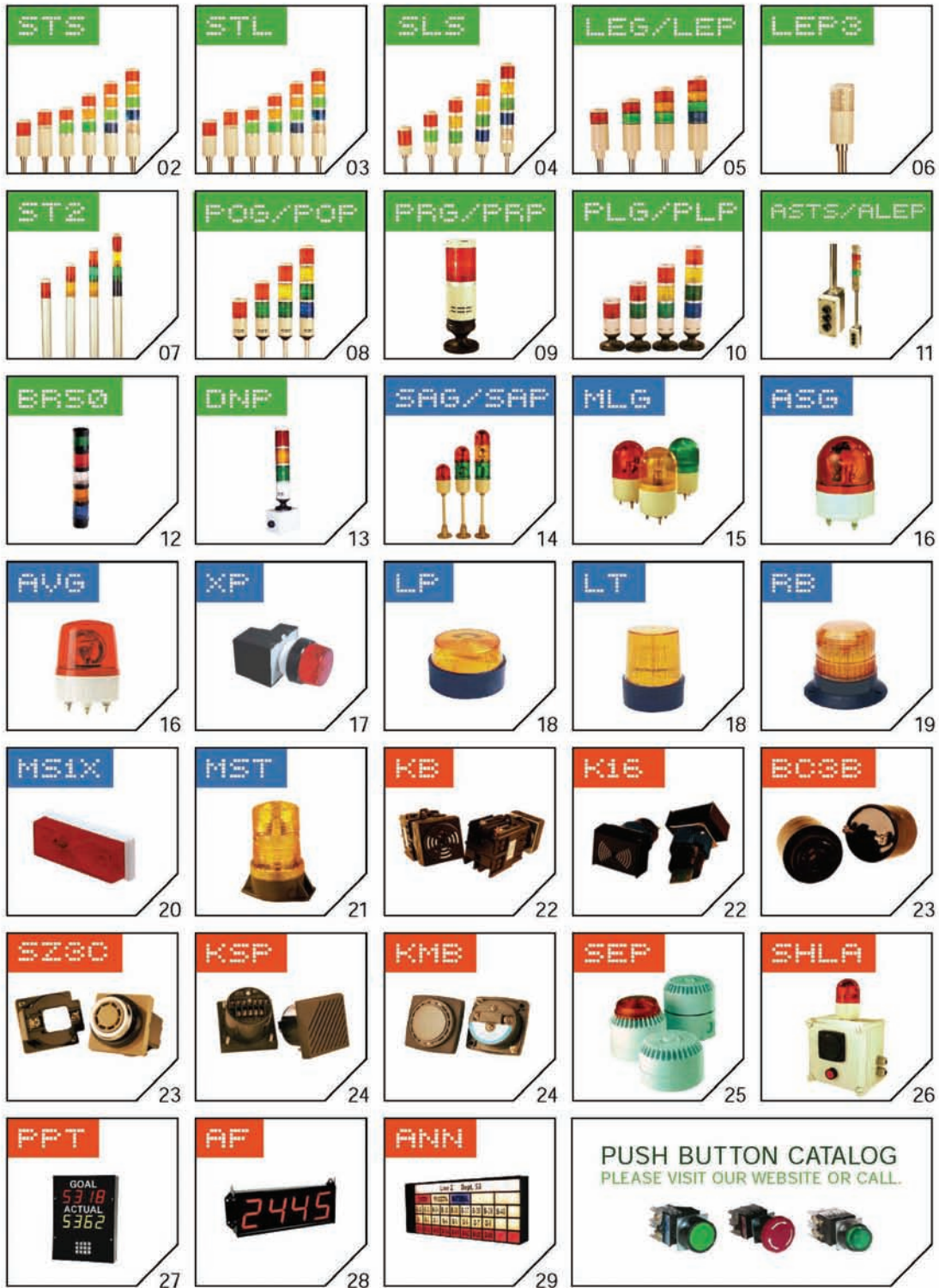
When safety and security areas do not conform to standard Switchmat sizes, 14HD mats are ideal for customizing. By adding Recora's Snap-On Aluminum Connectors and Edging, Series 14HD can be configured to fit any size area needed. These Switchmat Systems can be customized for sensitivity, activation, layout design and sized to cover any area to help provide worker protection from restricted or hazardous machine areas...even around cut-outs for machine legs, posts, walls, etc. Recora's Fail-Safe Control Unit added to Series 14HD Switchmat Systems will provide level 3 protection.



Recora's new Active Mat Connectors provide 100% surface coverage for maximum safety.



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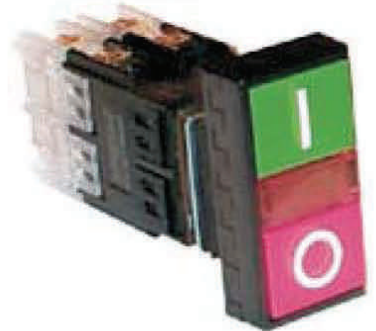
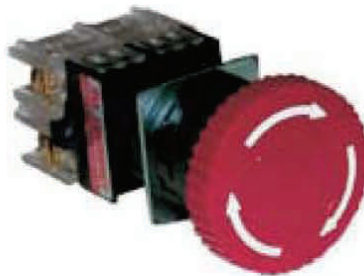
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Industrial Push Buttons and Operators

Solid Product Priced Right for OEMS



NEW!
EXTREMELY BRIGHT!
LED PILOT LIGHT



Push Button Enclosures



Audible Alarms



Accessories



Vynckier Enclosure Systems, Inc. ("VES") is the global leader in sales and manufacturing of Non-Metallic enclosures. From their headquarters in Houston, Texas, Vynckier's customer-focused staff provide sales and application support services to North America.

Here are a few things to expect from Vynckier:

- ◆ Largest selection of sizes and applications in North America.
- ◆ Small hand held pushbutton enclosures (3-1/2" x 3-1/2" x 1-5/8") up through large free-standing cabinets. (50"x40"x12") with larger configurations available.
- ◆ Largest Inventory of Non-Metallic's available in North America- Stocked in Texas.
- ◆ Standard stock items ship within 24 hours. Custom & modified orders ship in 5 to 20 working days.
- ◆ Small factory minimum orders.

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