12 OUTPUT ISP SEQUENCER EXPLAINED

Seven Segment Display

Selection LEDs
- *Low dP*
- *High dP*
- *dP Units*
- *dP Alarm*
- On Time
- Off Time
- Blowdown Cycles
- Run

Interface Buttons
- Select
- Up
- Down

Mode
- *Continuous*
- *Demand*

dP Module

ISD/ISDP Connection

Inputs
- Fan Stop
- Low Header Alarm
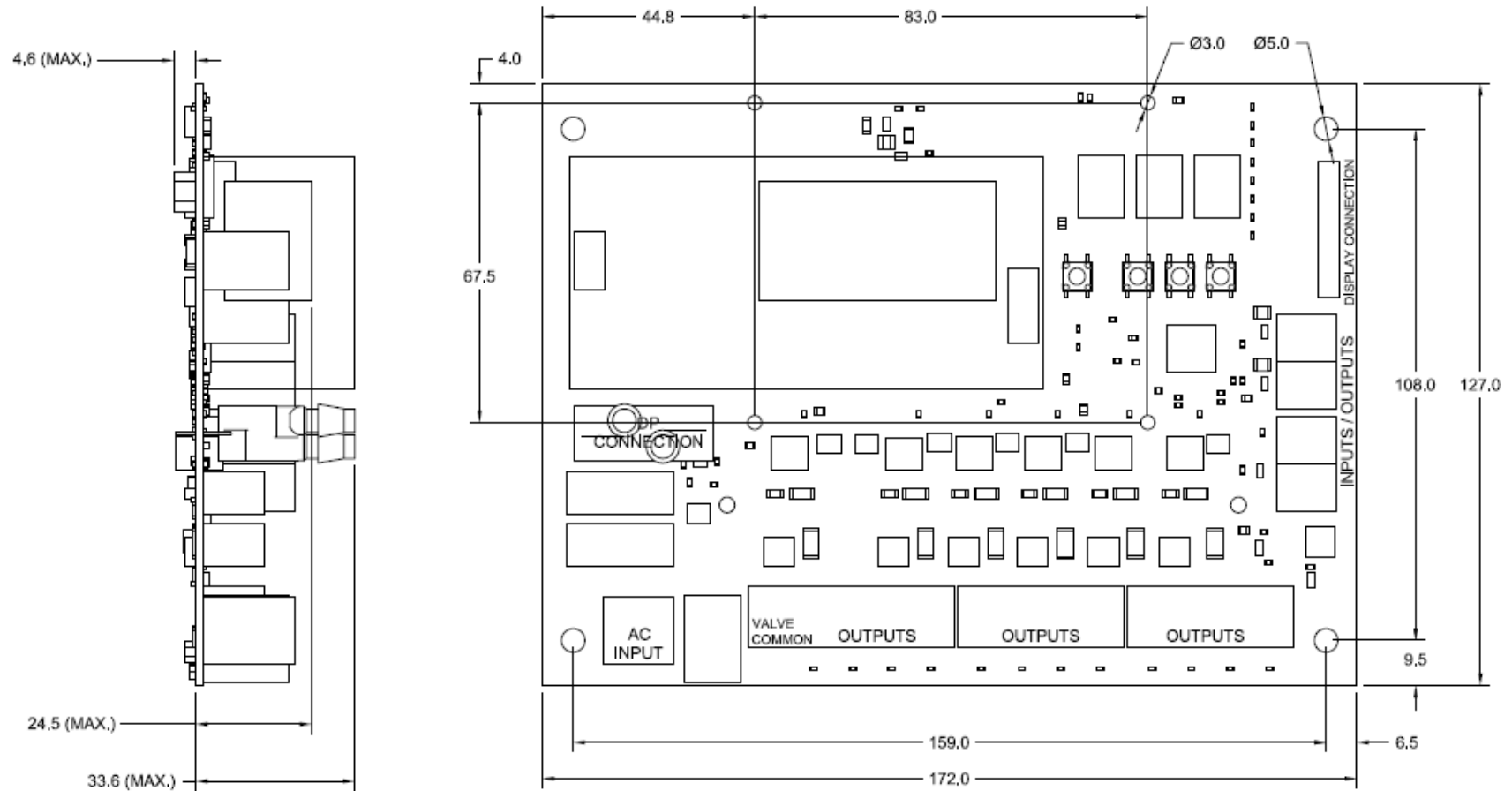
Outputs
- Coil Error
- *4-20mA dP*

Input Power
- 110/240 VAC

Output Connections

Simple Layout With Easy Access To All Features

IS/ISP 12 OUTPUT PCB DIMENSIONS

40 OUTPUT ISP SEQUENCER EXPLAINED

Seven Segment Display

Mode
- *Continuous*
- *Demand*

Interface Buttons
- Select
- Up
- Down

dP Module

Input Power
- 110/240 VAC

ISD/ISDP Connection

Selection LEDs
- *Low dP*
- *High dP*
- *dP Units*
- *dP Alarm*
- On Time
- Off Time
- Blowdown Cycles
- Run

Inputs
- Fan Stop
- Low Header Alarm

Outputs
- Coil Error
- *4-20mA dP*

Output Connections
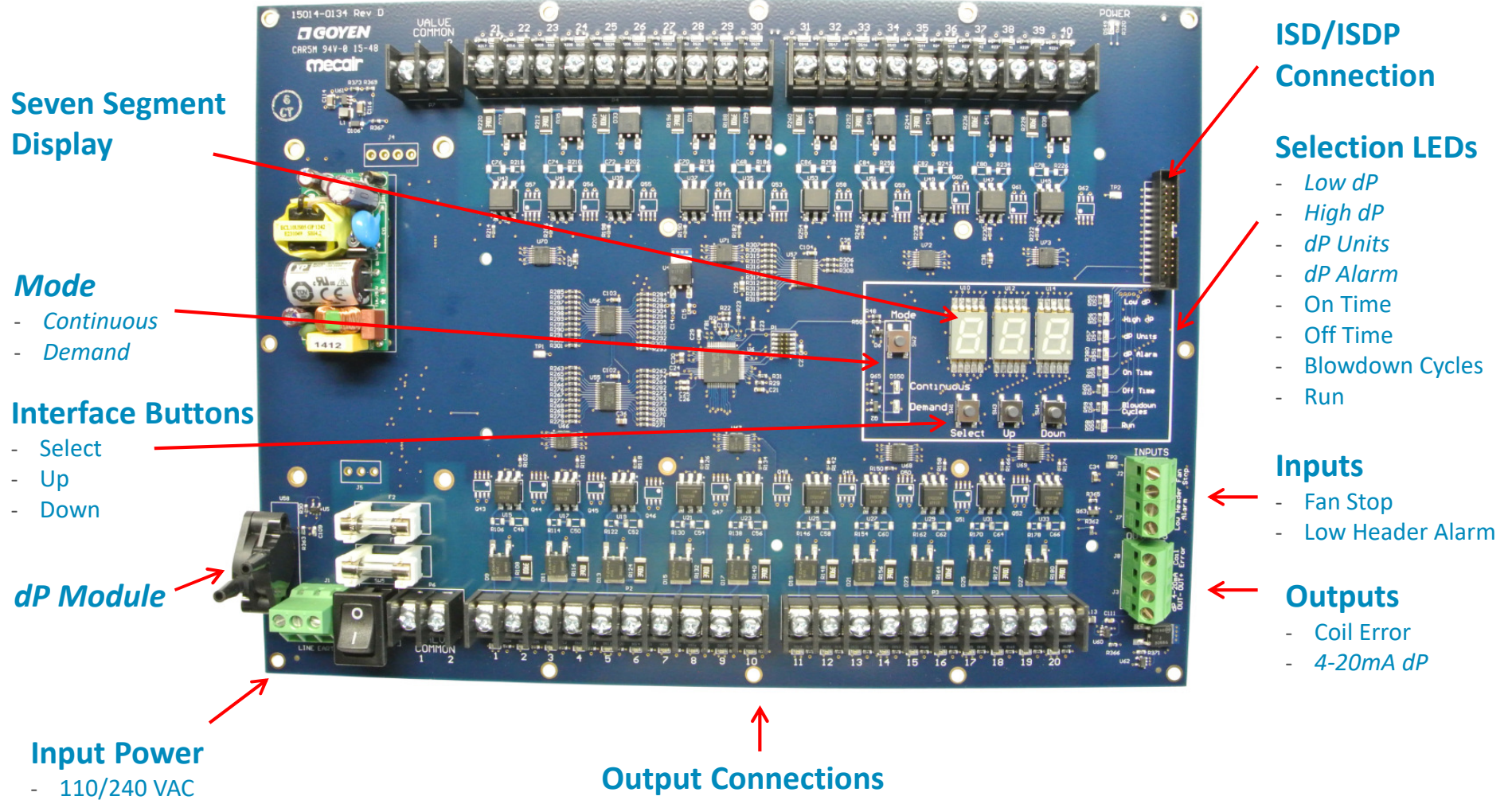
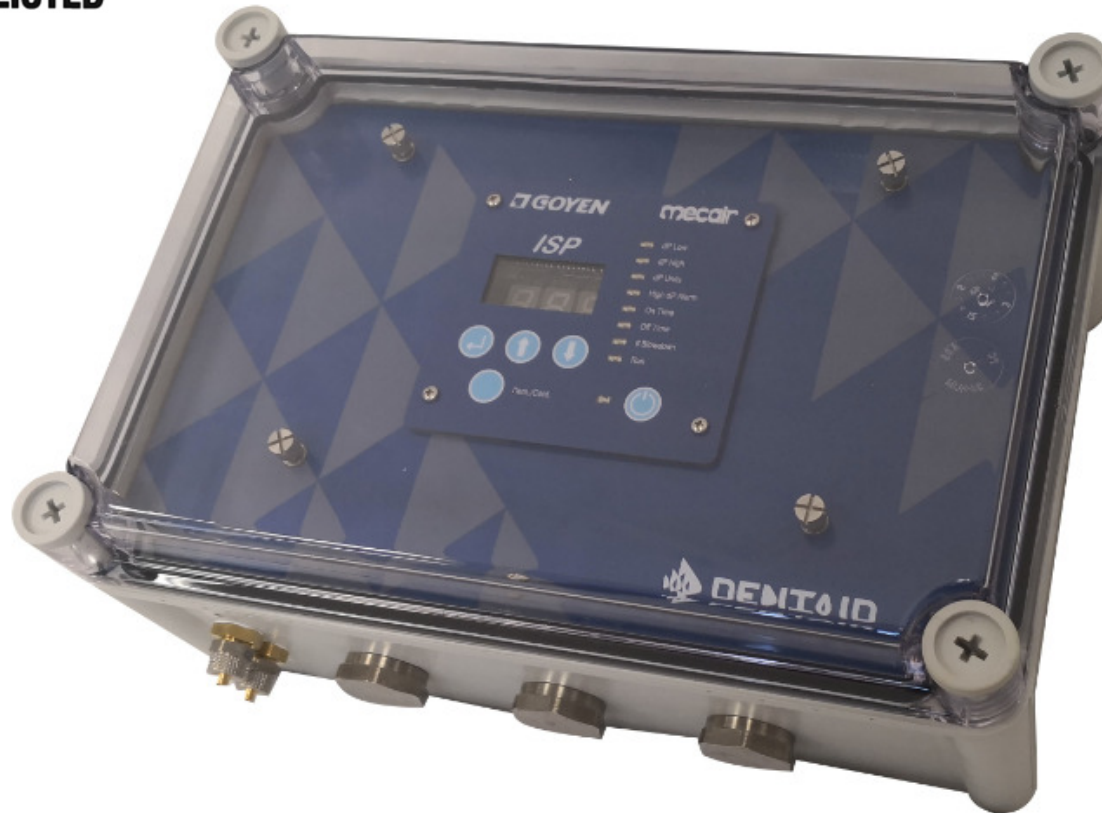## Simple Layout With Easy Access To All Features

IS/ISP 40 OUTPUT PCB DIMENSIONS
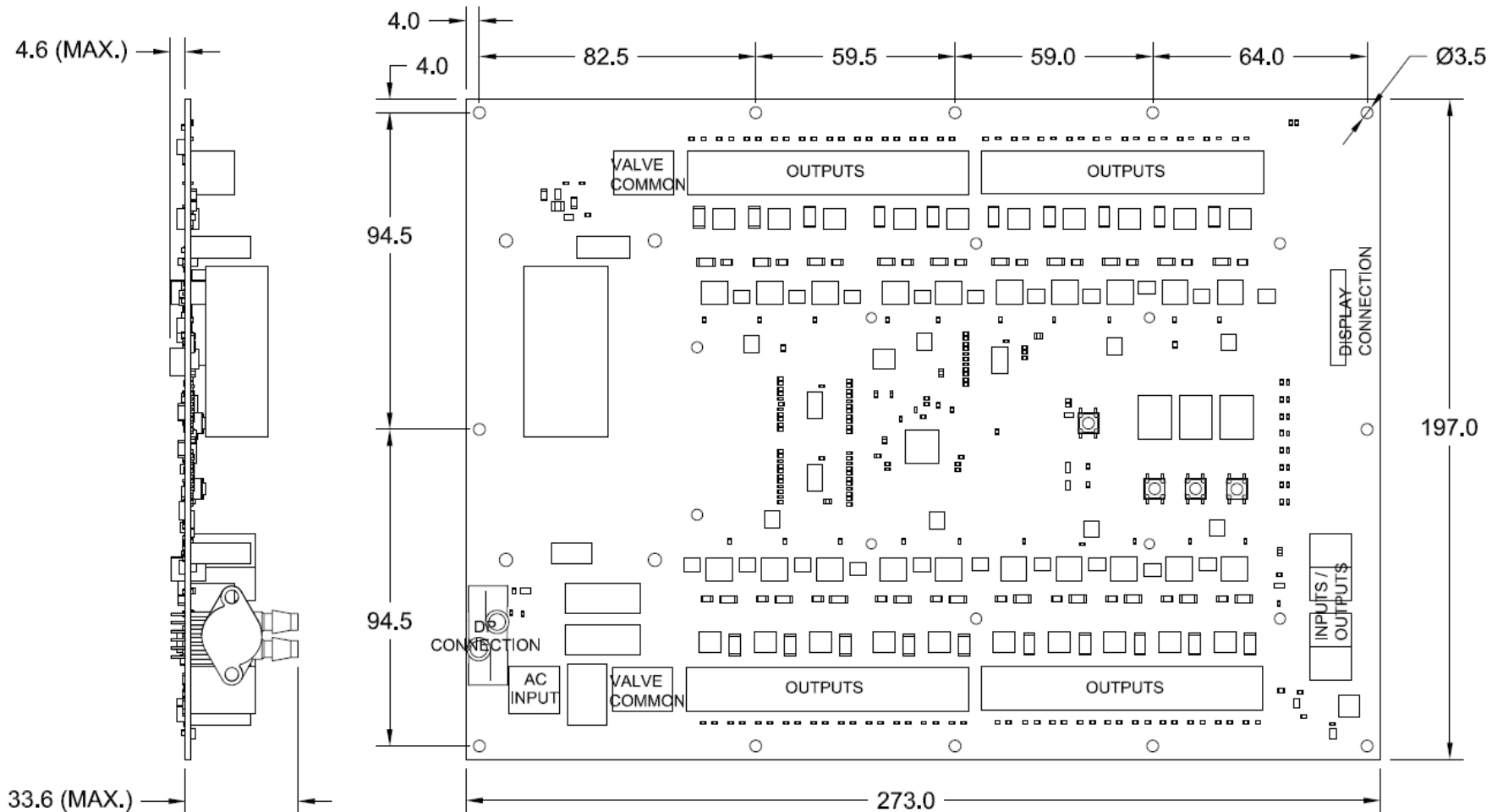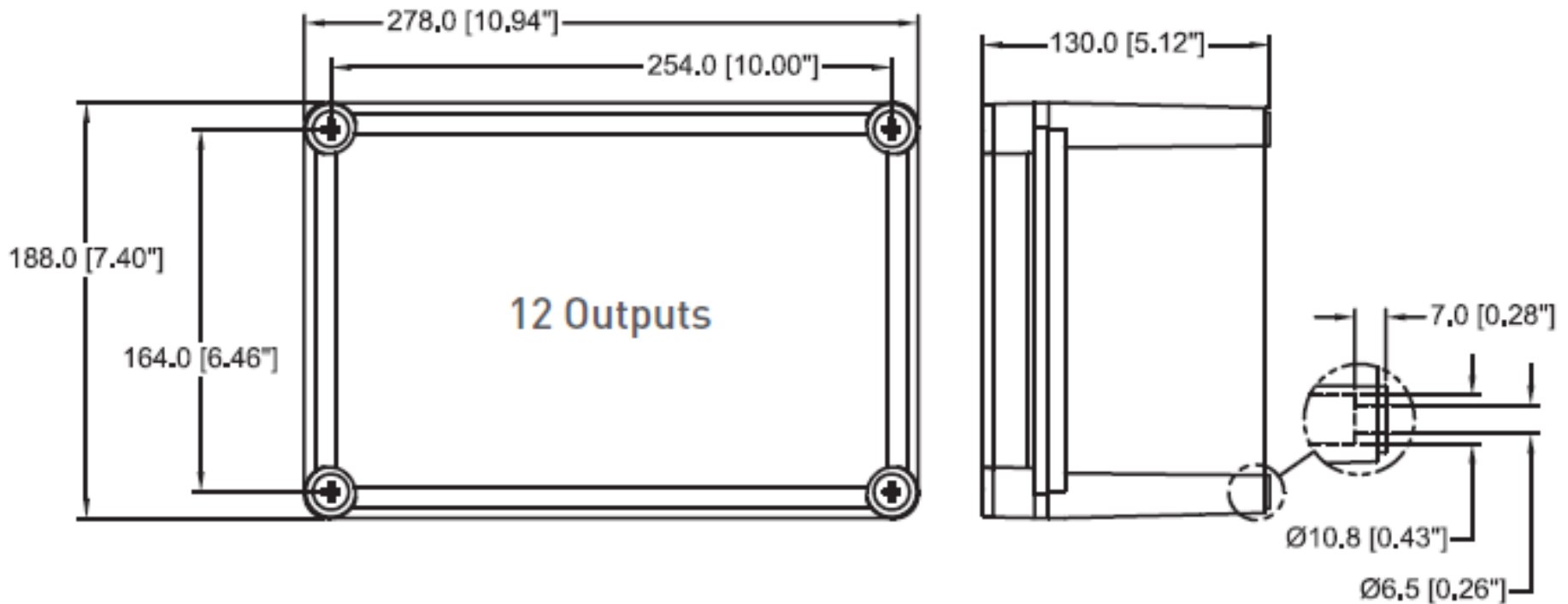
UL & ATEX 12 O/P POLYCARBONATE ENCLOSURE
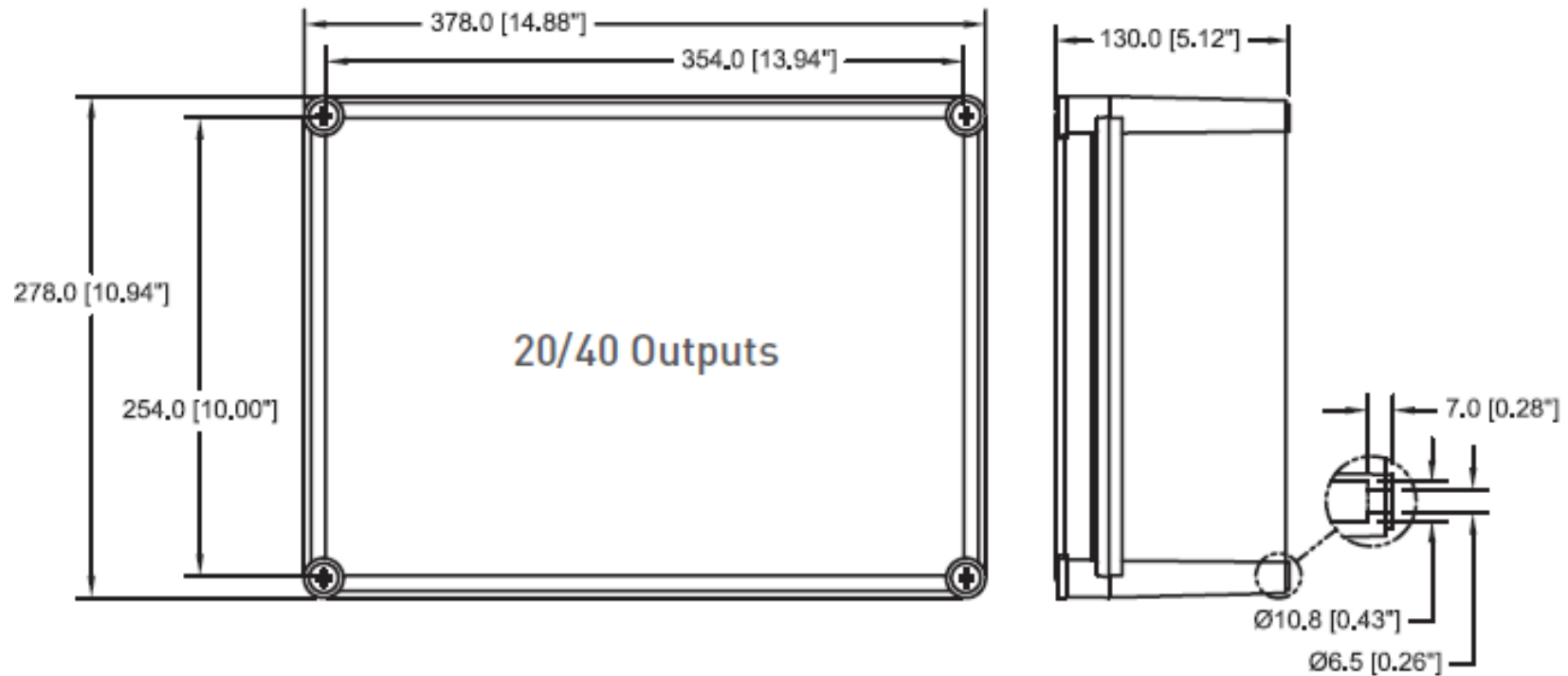

CE ⟨Ex⟩ II 3 D   Ex tc IIIC T59°C Dc IP65
Tamb: -20°C to +50°C

UL & ATEX 12 O/P POLYCARBONATE DIMENSIONS

CE ⟨Ex⟩ II 3 D   Ex tc IIIC T59°C Dc IP65
Tamb: -20°C to +50°C

UL LISTED c us

278.0 [10.94"]
254.0 [10.00"]
188.0 [7.40"]
164.0 [6.46"]
12 Outputs
130.0 [5.12"]
7.0 [0.28"]
Ø10.8 [0.43"]
Ø6.5 [0.26"]

UL & ATEX 20/40 O/P POLYCARBONATE ENCLOSURE

UL & ATEX 20/40 O/P POLYCARBONATE DIMENSIONS

IS/ISP SEQUENCER ORDERING CODE

ORDER CODE – IS/ISP SEQUENCER

Model
IS=no dP sensor
ISP=with dP sensor

Input Voltage
AC=100–240V +/– 10% & 50/60Hz
DC=12–24V

Output Voltage
AC=100–240V +/– 10% & 50/60Hz
    (same as input)
DC=12–24V

Enclosure Type
PCA=ATEX & UL-approved polycarbonate enclosure
Blank=UL approved non-enclosure product

**Number of Terminals**
12=12
20=20
40=40
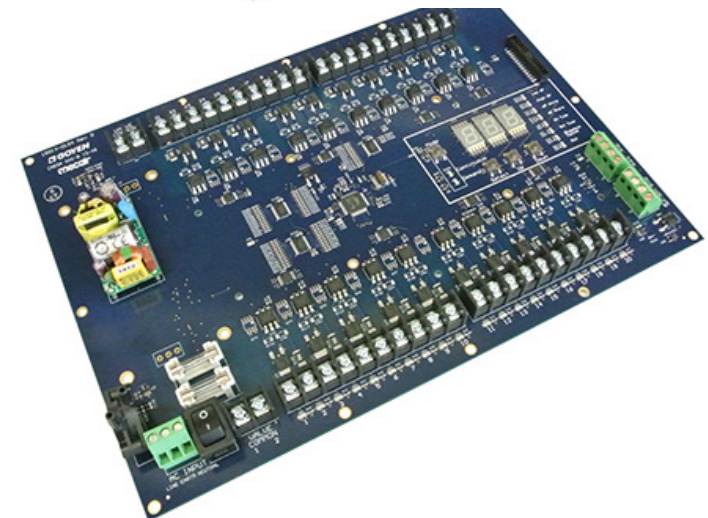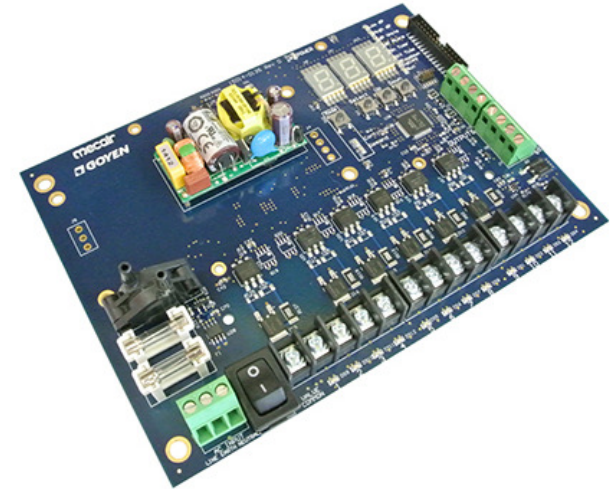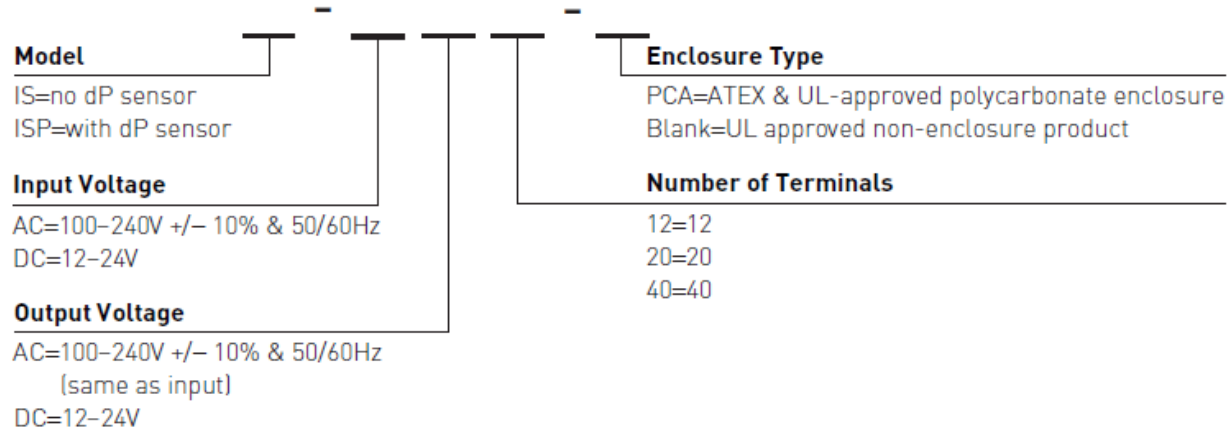
ORDER CODE - ACCESSORIES

ISD (IS Display Module)

ISPD (ISP Display Module)

K-RDC-0500 (0.5m Display Module Extension Cable)

K-RDC-1000 (1.0m Display Module Extension Cable)

K-CPR-DIN (IS/ISP DIN Mounting Kit)

ECS Controller

WHAT IS THE ECS CONTROL SYSTEM?

An expandable reverse pulse jet valve control system that can run in continuous or demand mode and support up to 360 discrete outputs via 12 output expansion cards.

Expandable

ECS

Wide Temp Range

Conforms to CE, RCM, FCC, cULus & ATEX
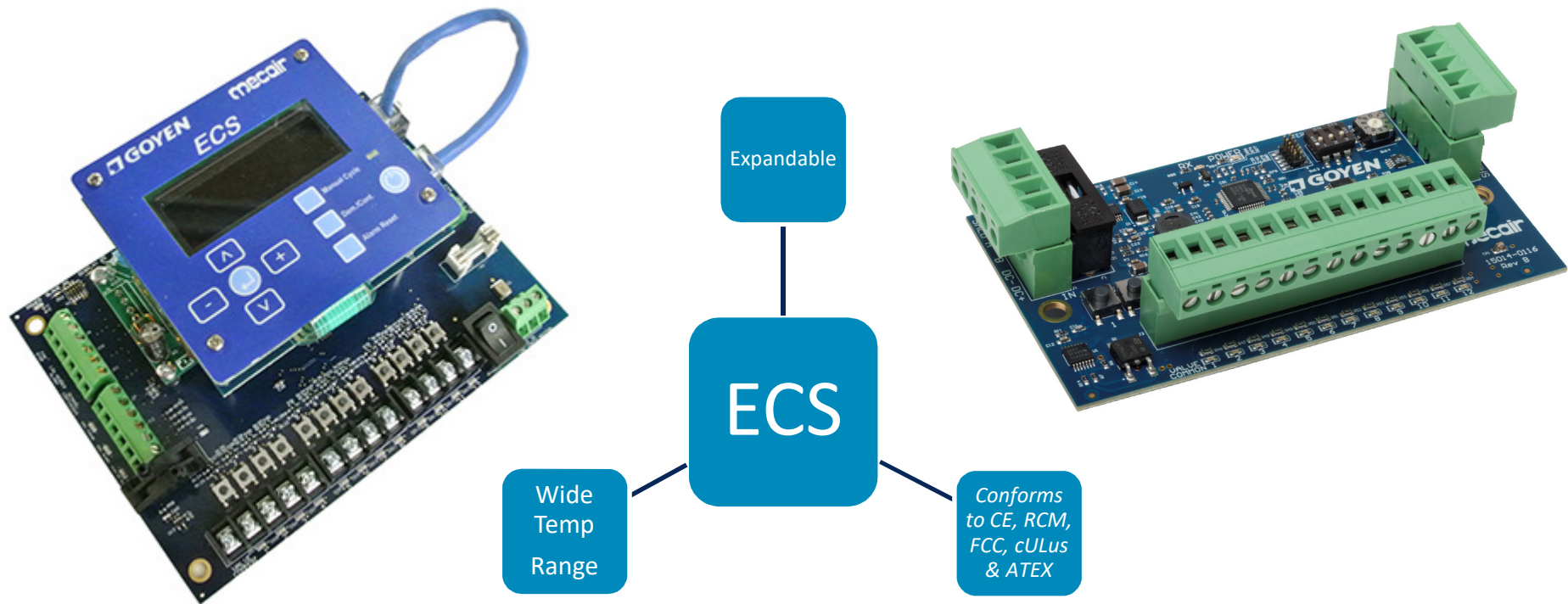
Flexible, certified filter cleaning controls for any application to reduce dust collector operating costs

UNIQUE FEATURES OF THE ECS CONTROL SYSTEM

Expandable	• Can support 29 unique 12 output expansion cards.
Simple Interface	• Uses a portable membrane interface with an OLED screen
Cleaning Mode Selection	• Demand or Continuous
Manual Push Buttons	• Actuate each output via the push of a button
Multiple Voltage Free Inputs	• Fan Stop, Low Header Alarm, Demand/Continuous Selection
Multiple Voltage Free Outputs	• Coil is Firing, Coil Alarm, High dP
Wide Operating Temperature	• -40°C to 60°C (-40°F to 140°F)

Full Feature Set & Range Of Valve Control Options

ECS QUICK PULSE TECHNOLOGY

- This is a feature to give your baghouse additional protection in case your dust collector starts to get out of control.

- It gives you another differential pressure (dP) limit where you can start pulsing with a shorter off time, quickening your pulse time, if the dP between the clean side and dirty side of your dust collector is still rising.

- This feature is disabled by default and just requires setting two parameters to implement:
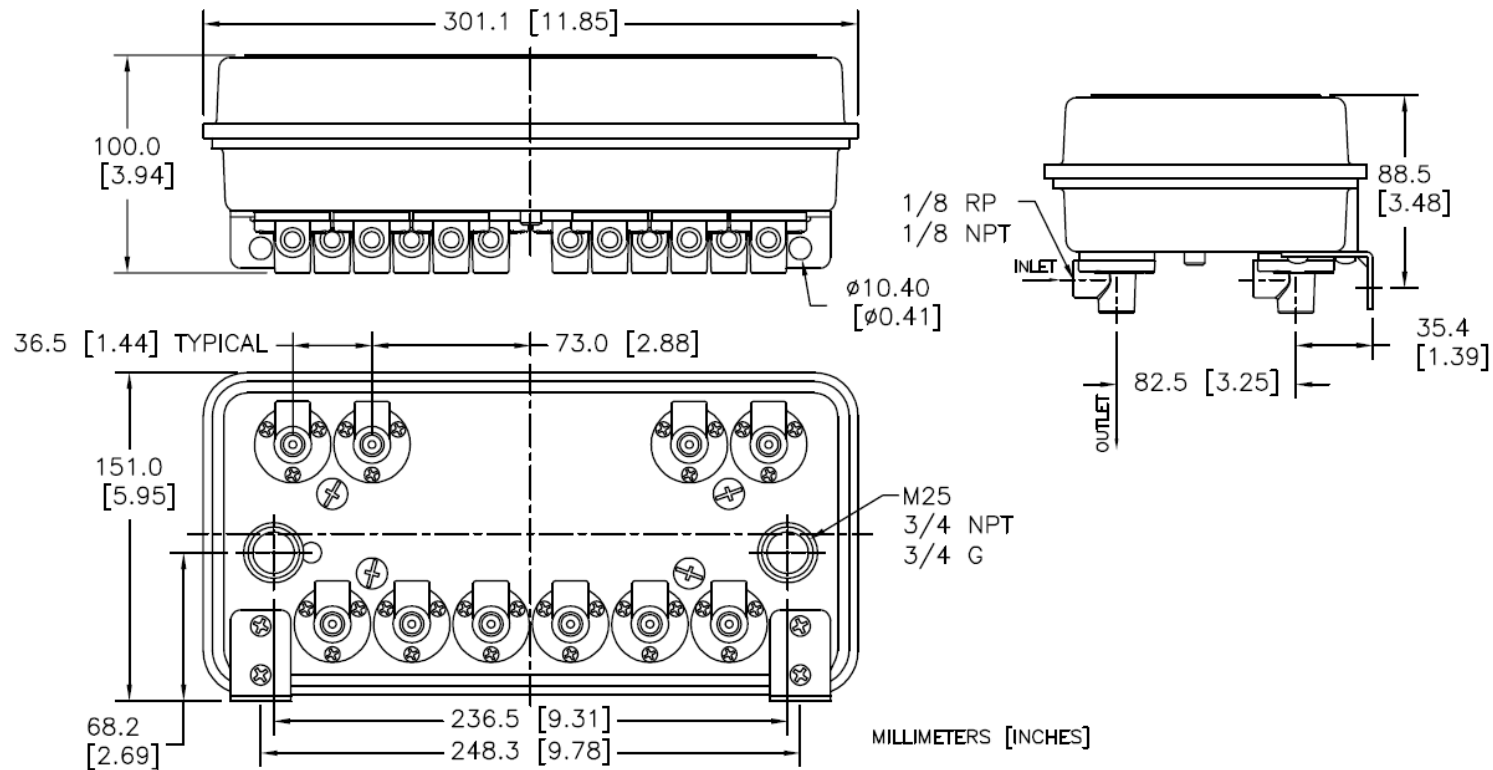 - Quick dP Limit
  - Quick OFF Time

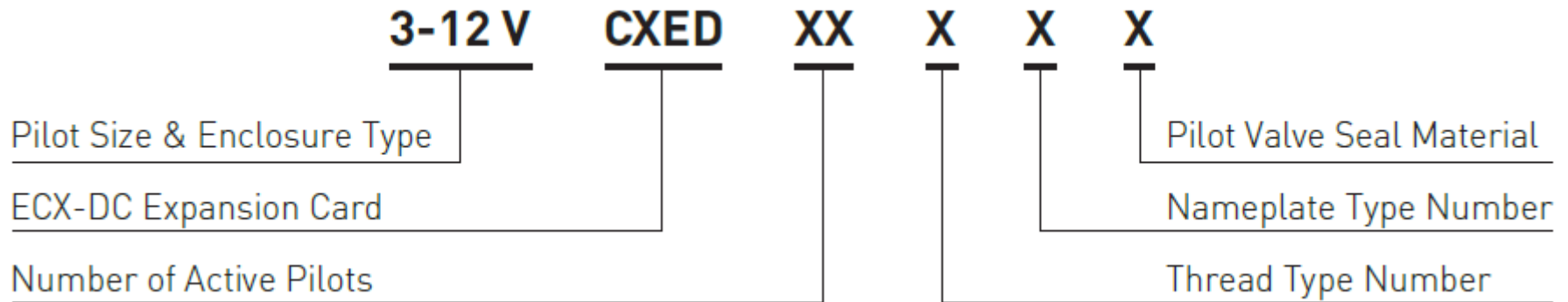**Additional Cleaning Functionality To Help Fully Protect Your Baghouse**

3-12V ENCLOSURE DIMENSIONS

3-12V ENCLOSURE & ECX ORDERING CODES

3-12 V   CXED   XX   X   X   X

Pilot Size & Enclosure Type

ECX-DC Expansion Card

Number of Active Pilots

Pilot Valve Seal Material

Nameplate Type Number

Thread Type Number

Number of Active Pilots					
Code	06	07	08	09	10

Thread Type						
Conduit Thread	NPT	M	M	M	G	G
Pilot Thread	NPT	RP	RC	NPT	RP	RC
Code	0	1	N/A	3	4	N/A

Nameplate		
Nameplate	None	Goyen
Code	0	1

Seal Material		
Material	Nitrile	Viton
Code	0	1