## ECR12/ECX4<sup>™</sup> Outdoor Rated Enclosed Controls

#### **Features and Benefits:**

Enclosed Control devices are among the most widely specified builds in the industrial sector. Between new construction, and consolidation or replacement of existing gear- enclosed control devices are commonly the most efficient solution. Whether the application involves protecting a motor that powers sensitive equipment, constructing a centralized hub to run multiple machines, or consolidating numerous lighting controls to a single source-ICS has a solution that is right for you. Combination and non-combination motor starters allow for optimized use of space and budget on any jobsite. With dozens of configurations available in both Outdoor and NEMA 4X ratings, ICS ECR12/ECX4 control builds are the preferred solution for virtually all industrial applications. Many configurations are available for quick-turnaround shipping in as little as 2 working days.

### **Common Applications**

- Conveyors
- Pumps
- Blowers
- Fans
- Cranes
- Hoists
- Rock crushers
- Area Lighting

## **Standard Materials and Finishes:**

- MCP, MCCB, Fused, or Non-Fused Disconnect Means (optional)
- Bimetallic (melting alloy) or electronic overload relays for motor protection (class 10,20,30)
- Factory terminations pre labeled and wired to multi-point terminal strip for easy identification and field connections
- · Global short-circuit current ratings (SCCR)
- 30.5mm or 22mm cover control devices optional
- Flange or rotary-operated disconnect means
- Reversing, non-reversing and multi-speed motor options
- Carbon Steel, Galvanized-Coated, Stainless Steel (304, 316L),
   Fiberglass, and Polycarbonate enclosure options

\*NEMA 7/9 options also available\* \*Refer to iEXMS/iEXCS catalot for more information\*





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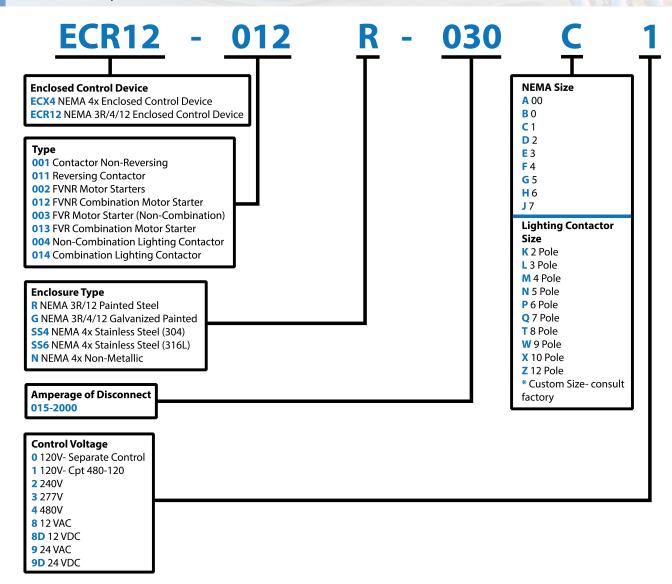
## **PART NUMBER BUILDER**

## **ECR12/ECX4™ Series**

Example: ECR12 012 R 030 C 1 S1/S3/T3-BD\*A01\*C01

- -ECR12- NEMA 3R/4/12 Enclosed Control Device
- -012- FVNR Combination Motor Starter
- -R- NEMA 3R/12 Painted Steel
- -030- 30 AMP
- -C-1
- -1- 120V- Cpt 480- 120





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## S1/S3/T3

## BD\*A01\*C01

### ††¹Cover Control Options

- \$1 RED Push Button "START"
- 53 GREEN Push Button "STOP"
- R1 RED Pilot Light "RUN"
- **G1** GREEN Pilot Light "OFF"
- T3 3 POS Selector Switch "HAND OFF AUTO"
- T2 2 POS Selector Switch "ON OFF"
- †<sup>2</sup>XR BLACK Electronic Reset Button
- M1 AMBER Pilot Light
- **S1E** RED Mushroom Head Push Button

#### Factory Modifications †3

- **001** Shunt Trip (120V)
- ELR Electronic Overload Relay †4
- **BD** Breather/Drain installed
- **50C** Ambient Compensated Breaker
- **EGL** External Ground Lug
- **EPX** Epoxy Coating (External)
- 8TB 8-Point Terminal Block- 30A @ 300V †5

#### **Starter Mods**

- A01 1N.O./1N.C aux contact A02 2N.O./2N.C aux contact
- A03 3N.O./3N.C aux contact

#### **Breaker Mods**

- CO1 1A/1B aux switch
- CO2 2A/2B aux switch

TMR Timer †5 PCA Photocell 120V

**Accessories** 

- PCB Photocell 208-277V
- **HT1** Heater

- † MULTIPLE COVER CONTROLS MUST BE SEPARATED BY "/"
- † DEFAULT LEGEND PLATES SHOWN- Consult with factory for custom legend plates
- $+^2$  XR denotes electronic reset button- only available on starters with electronic overload relays. Standard offer-"plunger" type reset for starters with bi-metallic overload relays
- †3 Multiple factory mods must be separated by asterisks "\*"
- † Must include FLA of motor. Consult with factory for assistance calculating your motor's FLA.
- †5 8TB/TMR may require a larger enclosure