

# ECR12/ECX4™

## 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 catalog for more information\**

**ASK US ABOUT OUR 2 DAY  
TURN AROUND PROGRAM!**



**INTEGRATED**  
CIRCUIT SOLUTIONS

# ECR12/ECX4™ Outdoor Rated Enclosed Controls

## 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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CIRCUIT SOLUTIONS

**ECR12 - 012 R - 030 C 1**

**Enclosed Control Device**  
**ECX4** NEMA 4x Enclosed Control Device  
**ECR12** NEMA 3R/4/12 Enclosed Control Device

**Type**  
**001** Contactor Non-Reversing  
**011** Reversing Contactor  
**002** FVNR Motor Starters  
**012** FVNR Combination Motor Starter  
**003** FVR Motor Starter (Non-Combination)  
**013** FVR Combination Motor Starter  
**004** Non-Combination Lighting Contactor  
**014** Combination Lighting Contactor

**Enclosure Type**  
**R** NEMA 3R/12 Painted Steel  
**G** NEMA 3R/4/12 Galvanized Painted  
**SS4** NEMA 4x Stainless Steel (304)  
**SS6** NEMA 4x Stainless Steel (316L)  
**N** NEMA 4x Non-Metallic

**Amperage of Disconnect**  
**015-2000**

**Control Voltage**  
**0** 120V- Separate Control  
**1** 120V- Cpt 480-120  
**2** 240V  
**3** 277V  
**4** 480V  
**8** 12 VAC  
**8D** 12 VDC  
**9** 24 VAC  
**9D** 24 VDC

**NEMA Size**  
**A** 00  
**B** 0  
**C** 1  
**D** 2  
**E** 3  
**F** 4  
**G** 5  
**H** 6  
**J** 7

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**Lighting Contactor Size**  
**K** 2 Pole  
**L** 3 Pole  
**M** 4 Pole  
**N** 5 Pole  
**P** 6 Pole  
**Q** 7 Pole  
**T** 8 Pole  
**W** 9 Pole  
**X** 10 Pole  
**Z** 12 Pole  
 \* Custom Size- consult factory

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- R- NEMA 3R/12 Painted Steel
- B030- 30 AMP Breaker
- C-1
- 1- 120V- Cpt 480- 120



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**S1/S3/T3**

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**BD\*A01\*C01**

#### †† Cover Control Options

- S1** RED Push Button "START"
- S3** 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"
- †² **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

- C01** 1A/1B aux switch
- C02** 2A/2B aux switch

#### Accessories

- TMR** Timer †⁵
- PCA** Photocell 120V
- PCB** Photocell 208-277V
- HT1** Heater

† MULTIPLE COVER CONTROLS MUST BE SEPARATED BY "/"

†¹ 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 "\*\*"

†⁴ Must include FLA of motor. Consult with factory for assistance calculating your motor's FLA.

†⁵ 8TB/TMR may require a larger enclosure