## **Electronic Control System**

The electronic control system of the electro-hydraulic actuator monitors the hydraulic pressure of the system in real time and automatically controls the starting and stopping of the pump.

#### Options

- Manual overide
- Remote & local function
- Fail-safe with accumulator
- Line break protection (LBP) function available
- Partial stroke test

## Independent and Adjustable **Open/Close Time**

The system flow rate is designed to be 20L/min. For example, the measured ESD time of a size 09 electrohydraulic actuator is less than three seconds. By independently setting an open/close adjustment valve in the hydraulic control system, the time to operate the valve can be strictly controlled. For example it can close or open the valve in a natural gas pipeline quickly (less than 10s) to block it, or slowly close (more than 120s) the valve to avoid the water hammer effect in a production oil pipeline.

# How to Order

#### Actuator Model

E2H90-003Y-060 E2H90-006Y-080 E2H90-009Y-100 E2H90-015Y-100 E2H90-030Y-120 E2H90-060Y-150 E2H90-100Y-200 E2H90-200Y-240

#### Fail Mode

FL

- Fail-last Lock Fail-close FC
- FO Fail-open

#### **Fail System**

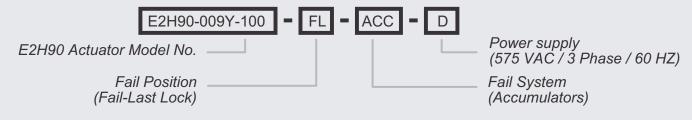
ACC Accumulators SR Spring

\* For spring-return, consult factory for part number and available torgue

#### **Power Supply**

- А 240VAC / 1 Phase / 60 HZ
- В 115VAC / 1 Phase / 50 HZ
- С 460VAC / 3 Phase / 60 HZ
- 575VAC / 3 Phase / 60 HZ D
- XX Custom

### **EXAMPLE**



#### cowan dynamics

Service and support Toll-free: 855 341 3415

www.cowandynamics.com info@cowandynamics.com

#### E<sup>2</sup>H90 SERIES – Electro-Hydraulic Rotary Actuator