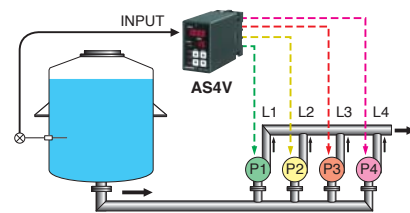# Limit Alarms

The AS4 Series limit alarms are provided with two displays on the front face: 4-digit DATA display and 2-digit ITEM display. Using Up/Down buttons, configuration is simple by calling parameters' ID numbers (ITEM) and choosing values (DATA).
The M7E Series limit alarms are provided with a multi-line LCD display, which shows the parameters and selections in text to guide you through the programming procedure: intuitive, easy programming just like operating your mobile phone. You won't need to consult the instruction manual.
These displays indicate process values once commissioned at the field site, and the software's "programmable" mode can be locked out in order to prevent unwanted changes in the setting.

APPLICATION EXAMPLE

Staging Four Pumps Smoothly

The Quad Alarm AS4V can be used to control the level of liquid in a tank by staging four pumps connected in parallel. Using multiple small pumps is an economical solution without needing an expensive equipment for complicated speed control of a single big and expensive pump.
In addition, setting deadband for each control setpoint eliminates unwanted pump cycling ON and OFF sporadically around the setpoint, even when the water level changes continuously.

High Performance Dual/Quad Alarms

■ Configurable via the front Up/Down buttons with a help of two displays
■ Field selectable sensor input and dual SPDT or quad NO or NC output

FUNCTION	MODEL
DC mV, V & mA input	AS4V
Thermocouple input	AS4T
RTD input	AS4R
Potentiometer input	AS4M
Strain gauge input	AS4LC*
CT input, 1 A or 5 A	AS4CT*

*No UL/C-UL approval

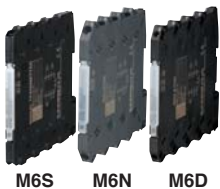## High Performance Dual/Quad Alarms with LCD display

■ Local LCD display shows process values
■ Intuitive, easy programming just like operating a cell phone
■ Dual SPDT or quad NO or NC output

FUNCTION	MODEL
DC mV, V & mA input	M7EASV
4-20 mA input, 24 Vdc supply	M7EASDY

Ultra-Slim Single Alarms

■ Tension clamp, screw terminal and euro terminal styles selectable
■ Single SPDT output
■ PC programmable I/O

M6S   M6N   M6D

FUNCTION	MODEL
DC mV, V & mA input	M6SXAS/M6NXAS/M6DXAS
Thermocouple input	M6SXAT/M6NXAT/M6DXAT
RTD input NEW	M6SXAR/M6NXAR/M6DXAR

Wide Setpoint Range

■ Fixed range input
■ SPDT output
■ Wide setpoint range -14 to +113.5%

FUNCTION	MODEL
DC mV, V & mA input	MSEF

Analog Alarms with Simple Setting

■ Fixed range input
■ Single or dual SPDT output

KSE   KSED

FUNCTION	MODEL
DC input, dial adjustment	KSE*
DC input, thumbwheel adjustment	ASD1
DC input, thumbwheel adjustment	KSED

*No UL/C-UL approval

Compact Analog Alarm with Potentiometer Adj.

■ Fixed range input
■ Dual NO output
■ Potentiometer adjustment with a help of 0 to 1 V monitor output

FUNCTION	MODEL
DC mV, V & mA input	M2AVS

Compact Analog Alarm with Thumbwheel Switch Adj.

■ Fixed range input
■ Dual SPDT output or DPDT output   **M2SED**

FUNCTION	MODEL
DC input, dual SPDT output	M2SED
DC input, single DPDT output	M2AS*
DC input, single SPDT output	M2AS1*

*No UL/C-UL approval