



# Honeywell

## HC900 Process & Safety Controller

ADDRESSING THE NEEDS OF YOUR  
PROCESS CONTROL WHILE ENSURING  
MAXIMUM SAFETY, SECURITY AND  
ACCURACY

Honeywell has been in the Modular Controls business for over 40 years (See page 2). They have built a flexible, reliable and safe Modular Control solution in the HC900 Control Edge. The first Modular Control Honeywell manufactured was the IPC620 PLC. Honeywell has refined their Modular Controls throughout the years by listening to the customer needs. The HC900 Modular Control System is one of the cornerstones products for Honeywell.



Today, Loy Instrument, Inc. is the largest stocking distributor of Legacy HC900 hardware and software. The HC900 has become one of the leading Hybrid Modular Systems in the Industry. The HC900 has been used in many industries to solve the toughest process applications allowing customers to rest easy at night.

Loy Instrument, Inc. also provides HC900 services which include HC900 system design, HC900 programming, HC900 training, HC900 calibrations, and HC900 panel fabrication. The HC900 has been used in many industries including Heat Treat, Asphalt, Aerospace, Automotive, Glass, Pharmaceutical, Chemical and many more.

### HC900 CONTROL EDGE

- Ladder Logic and Function Block Programming
- SIL Rated
- Advanced Tuning
- Data Recording
- Universal I/O Cards
- Fast Logic
- CPU Cyber Security
- Redundancy
- Integrated HMI



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## History of Honeywell Modular Systems

**1987**

### Series 9000 Released

- ✓ 1991- Released Enhanced Ethernet Communications to communicate with Remote I/O IPC620
- ✓ Series 9000 was one of the first Modular Systems to incorporate Ladder Logic, Function Block and Continuous Control Chart Programming into one CPU

**1995**

### MicroMax Released

- ✓ 1996 – Honeywell purchases L&N. Bill Steeber and Dick Pistoll join the Honeywell team and start collaboration on next Modular System offering.
- ✓ 2000 – S9000Config Software moved to Windows 95.
- ✓ 2000 – Honeywell releases Plantscape release 400 for S9000

**2001**

### UMC800 Hybrid Released

- ✓ 2001-UMC800 – released for process control applications in a modular design. UMC800 borrowed Function Block methodology from S9000 and MicroMax. Dedicated operator interface and modular I/O rack.
- ✓ 2002 – MicroMax Withdrawal from Sale

**2004**

### HC900 Hybrid Released

- ✓ 2004-2017 Enhanced Display and Enhanced CPU for HC900
- ✓ 2005 – UMC800 Withdrawal and migrated functionality into HC900 platform. Smaller I/O footprint with 2x the speed. Utilized same function block architecture as UMC800
- ✓ 2007 – Series 9000 Withdrawal from Sale

**2017-Present**

### HC900 Control Edge

- ✓ HC900 Safety SIL2 Released
- ✓ HC900 Control Edge PLC – Ladder, Function Block, CCC Programming
- ✓ HC900 Control Edge UOC