



DESIGN ENVELOPE

9511 Integrated Plant Control System

Air cooled Chilled water
plant automation

SOLUTION OUTLINE

FILE NO: 90.153
DATE: MARCH 2014

SUPERSEDES: 90.153
DATE: DECEMBER 2013

CONTROL

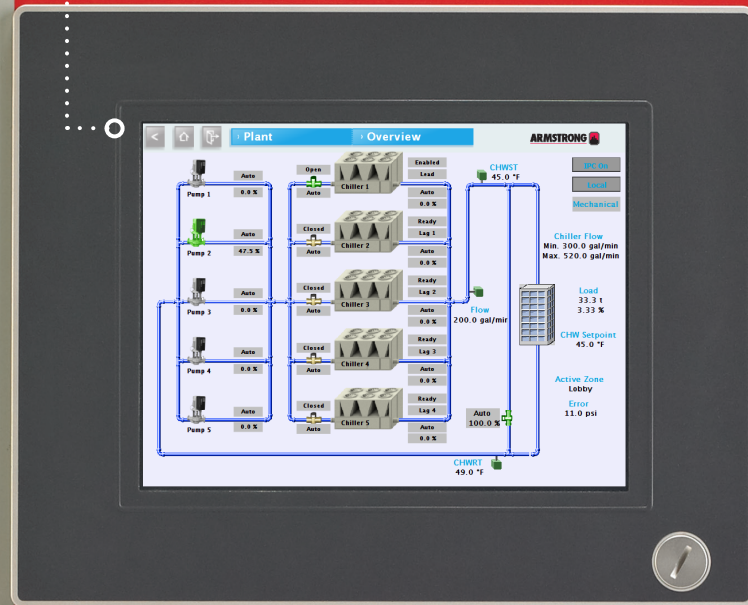
YOUR FUTURE

Modern HVAC control systems can deliver enormous benefits in improved occupant comfort, along with energy savings and maintenance efficiencies. With your selection of a chiller plant control system you will face the challenge of balancing first installed costs against total life cycle operating costs.

Selecting a control system should include consideration of commissioning costs, with field configuration flexibility, and reliability. Key variables to which control systems must respond include local climate conditions, component integration, serial communications compatibility, adaptation to existing equipment and operating modes for sensor failure. Any automation solution you choose for your HVAC chiller plant should offer a wide range of control capabilities so you can optimize system efficiency and eliminate unnecessary costs.

In your quest for chiller plant automation you can find solutions that offer complete factory programmed control functions that don't require in-depth knowledge of HVAC controls and Building Automation System (BAS) operation for implementation.

Variable Primary Plant overview.
Full plant automation up to five
air cooled chillers



DESIGN
ENVELOPE

IPC 9511

KEY BENEFITS

Easy installation and maintenance

User-friendly and simple commissioning

Reliability and consistency in chiller operation

Flexibility and time savings in your daily operations and work processes

Support from an established manufacturer with advanced capabilities in control

A complete HVAC plant control offering available to contractors

The Armstrong IPC 9511 gives you all that and more.

Installation of an Armstrong IPC 9511 as a plant control system for your variable primary or constant primary air cooled chiller plant helps you with:

Less operating risk

Integrated variable speed control of equipment to meet and exceed ASHRAE 90.1 requirements

Reduced project installed costs compared to traditional methods

Simplified BAS connection points for integration at a lower installation cost

Advanced control sequences to help you optimize building operations

System reliability and product support

SIMPLIFIED

BAS

CONNECTION POINTS

KEY FEATURES

The Armstrong IPC 9511 is a stand-alone preprogrammed control system, configured with the industry-standard features you expect in a professional grade automation solution, and more. No other solution offers more value in this class of HVAC control system. Industry-leading features of the IPC 9511 include:

Field configurable solution can be commissioned upon installation by local personnel with factory technical support

On-screen help functions

Parallel Sensorless Technology (patent pending)

Compatible with all standard control protocols

Internet connectivity for remote diagnostics and troubleshooting

Factory configuration ready to activate the optional Armstrong ECO-PULSE™ HVAC Health Management System.

ECONOMIC

SIMPLE

COMMISSIONING

WITH NO DELAYS

ADVANCED

SOLUTION

IN ONE CABINET

TORONTO

23 BERTRAND AVENUE
TORONTO, ONTARIO
CANADA
M1L 2P3
+1 416 755 2291

BUFFALO

93 EAST AVENUE
NORTH TONAWANDA, NEW YORK
U.S.A.
14120-6594
+1 716 693 8813

BIRMINGHAM

HEYWOOD WHARF, MUCKLOW HILL
HALESOWEN, WEST MIDLANDS
UNITED KINGDOM
B62 8DJ
+44 (0) 8444 145 145

MANCHESTER

WENLOCK WAY
MANCHESTER
UNITED KINGDOM
M12 5JL
+44 (0) 8444 145 145

BANGALORE

#59, FIRST FLOOR, 3RD MAIN
MARGOSA ROAD, MALLESWARAM
BANGALORE, INDIA
560 003
+91 (0) 80 4906 3555

SHANGHAI

NO. 1619 HU HANG ROAD, XI DU TOWNSHIP
FENG XIAN DISTRICT, SHANGHAI
P.R.C.
201401
+86 21 3756 6696

ARMSTRONG FLUID TECHNOLOGY
ESTABLISHED 1934

ARMSTRONGFLUIDTECHNOLOGY.COM

.....
For more information, contact your
Armstrong representative or visit
us at:
[ArmstrongFluidTechnology.com/
ContactUs](http://ArmstrongFluidTechnology.com/ContactUs)

**MAKING
ENERGY
MAKE
SENSE™**