

Document Title: **BAS Point-naming Standard**

Date: September 29, 2017

Version: Final, for publishing

<b>ACRONYM/ Abbreviation</b>	<b>Coordinated w another List</b>	<b>DESCRIPTION</b>
A		AIR
AFMS		AIR FLOW MEASURING STATION
AI		ANALOG INPUT
ALM		ALARM
AMP		AMPS (Engineering Unit for electrical current)
AMPF		CURRENT READING FEEDER
AO		ANALOG OUTPUT
AQS		AIR QUALITY SENSOR
ATS		AUTOMATIC TRANSFER SWITCH
AUX		AUXILIARY
AVG		AVERAGE
BARO		BAROMETRIC
BAS		BUILDING AUTOMATION SYSTEM
BI		BINARY INPUT
BKR		BREAKER
BLDG		BUILDING
BO		BINARY OUTPUT
BUS		BUS
BYP		BYPASS
CAMP		CAMPUS
CAP		CONTROL AIR PRESSURE
CC		COOLING COIL
CCA		CENTRAL (CAMPUS) COMPRESSED AIR ( <i>Pressure, different from Control Air</i> )
CFM		CUBIC FEET PER MINUTE
CHIM		CHIMES – OLD MAIN

**BOLD** type = default Combo (doesn't follow NOTE 1, see last page)

NOTE: for Ref names, see document for Microblock Naming conventions

CHOKVLV		CHOKER VALVE
<b>CHWP</b>		<b>CHILLED WATER PUMP</b>
CHW		CHILLED WATER
CL HS		CHLORINE HOUSE
CLG		COOLING
CLWTRFL		CHLORINE WATER FLOW
CMB		COMBUSTION
CMD	CHW Program	COMMAND ( <i>example: Reference Signal for Pump Speed</i> )
CNW		CONDENSER WATER
<b>CNWP</b>		<b>CONDENSER WATER PUMP</b>
CO		CARBON MONOXIDE
CO2		CARBON DIOXIDE
COND		CONDENSATE
CT		CURRENT TRANSDUCER
CTRL		CONTROL
DA		DISCHARGE AIR
<b>DAT</b>		<b>DISCHARGE AIR TEMPERATURE</b> ( <i>final temperature leaving unit</i> )
DBT		DRY BULB TEMPERATURE
DET		DETECTOR
DIS	CHW program	DISCHARGE ( <i>example: related to Pressure; counterpart SUCTION</i> )
DMD		DEMAND
DMPR		DAMPER
DO-PULS		DIGITAL OUTPUT, PULSE TYPE
DP-__		DIFFERENTIAL PRESSURE SENSOR ( <i>add suffix for type: A=AIR, W=WATER</i> )
DSABL		DISABLE(D)
DVTR		DIVERTER
DW		DOMESTIC WATER
<b>DWBP</b>	Equip. Acronym List	<b>DOMESTIC WATER BOOSTER PUMP</b>
DWPT		DEW POINT TEMPERATURE
DWTWRLVL		DOMESTIC WATER TOWER LEVEL
EA		EXHAUST AIR
<b>EAT</b>		<b>EXHAUST AIR TEMPERATURE</b>

**BOLD** type = default Combo (doesn't follow NOTE 1, see last page)

NOTE: for Ref names, see document for Microblock Naming conventions

ECON		ECONOMIZER
ELEC		ELECTRICAL
EMCBL		EMERGENCY CABLE
EMG		EMERGENCY
EMPWR		EMERGENCY (ELECTRICAL) POWER
ENABL		ENABLE(D)
ENDSW		END SWITCH
ENTH		ENTHALPY
FAIL		FAILURE
FBK		FEEDBACK
FC		FAIL CLOSED
FDR		FEEDER
FIL		FILTER
FLO		FLOW
FLP		FAIL LAST POSITION
FLRSMPLVL		FLOOR SUMP LEVEL
FLSW		FLOW (PROVING) SWITCH
FLT		FAULT
FO		FAIL OPEN
FPM		FEET PER MINUTE
FPS		FEET PER SECOND
FIRE		FIRE (for combining with Damper, or other)
FIREST		FIRESTAT
FRZ	Equip. Acronym List	FREEZER (Walk-in type)
<b>FRZST</b>		<b>FREEZESTAT</b>
FUS		FUSE
GEN		GENERATOR
GENL		GENERAL
GLY		GLYCOL
GPM		GALLONS PER MINUTE
H		HUMIDITY
H-C		HEATING-COOLING

**BOLD** type = default Combo (doesn't follow NOTE 1, see last page)

NOTE: for Ref names, see document for Microblock Naming conventions

H-C VLV		HEATING-COOLING CHANGEOVER VALVE
HI		HIGH
HIHDPRES		HIGH HEAD PRESSURE
HOA		HAND-OFF-AUTO MOTOR CONTROL ( <i>example: at Starter</i> )
HPS		HIGH PRESSURE STEAM
HTG		HEATING
HTR		HEATER
HW		HOT WATER
<b>HWP</b>	Equip. Acronym List	<b>HOT WATER PUMP</b>
<b>HWR</b>		<b>HOT WATER RETURN TEMPERATURE</b>
<b>HWT</b>		<b>HOT WATER TEMPERATURE (on Supply-side)</b>
INC		INCREMENTS
ISO	CHW program	ISOLATION
KW		KILOWATTS
L/L		LEAD/LAG
LMT		LIMIT
LO		LOW
LPS		LOW PRESSURE STEAM ( <i>Pressure, 0 to 15 PSIG</i> )
LT		LIGHTS, LIGHTING
LVL		LEVEL
MA		MIXED AIR
<b>MAT</b>		<b>MIXED AIR TEMPERATURE</b>
MAP		MAIN AIR PRESSURE
MAING		MAIN GAS
MAX		MAXIMUM
MIN		MINIMUM
MISC		MISCELLANEOUS
MPS		MEDIUM PRESSURE STEAM ( <i>Pressure, 15 to 65 PSIG</i> )
MSTR		MASTER ( <i>example: Master controller; counterpart: SLAVE</i> )
NC		NORMALLY CLOSED
NG		NATURAL GAS
<b>NLT ##</b>		<b>NIGHT LIGHT Series</b> ( <i>followed by a Blank-space and a NUMBER</i> )

**BOLD** type = default Combo (doesn't follow NOTE 1, see last page)

Page 4

NOTE: for Ref names, see document for Microblock Naming conventions

NO		NORMALLY OPEN
NRML		NORMAL
OA		OUTDOOR AIR
<b>OAD</b>		<b>OUTDOOR AIR DAMPER</b>
<b>OAE</b>	JA, CHW	<b>OUTDOOR AIR ENTHALPY</b>
<b>OAH</b>	JA, CHW	<b>OUTDOOR AIR HUMIDITY</b> ( <i>Relative Humidity</i> )
<b>OAT</b>		<b>OUTDOOR AIR TEMPERATURE</b>
OCC		OCCUPANCY SENSOR
OCC/UNOCC		OCCUPIED / UNOCCUPIED
OVFL		OVERFLOW
%		PERCENT
PH		PREHEAT
PHS		PHASE
<b>PHT</b>		<b>PREHEAT TEMPERATURE</b>
PID		PROPORTIONAL-INTEGRAL-DERIVATIVE
POS		POSITION INDICATOR
PPM		PARTS PER MILLION
PRI		PRIMARY
PRS		PRESSURE
PRV		PRESSURE REDUCING VALVE
PUMP (#)		PUMP ( <i>may be followed by a number, and usually preceded by system-type</i> )
R		RETURN
RA		RETURN AIR
<b>RAT</b>		<b>RETURN AIR TEMPERATURE</b>
REF		REFRIGERATOR OR WALK-IN COOLER
RFRGT		REFRIGERANT
RH		RELATIVE HUMIDITY
<b>RHT</b>		<b>REHEAT TEMPERATURE</b>
RLA		RELIEF AIR
RM ##		ROOM ( <i>followed by a Blank-space and a NUMBER</i> )
RST		RESET
S		SUPPLY

**BOLD** type = default Combo (doesn't follow NOTE 1, see last page)

NOTE: for Ref names, see document for Microblock Naming conventions

SA		SUPPLY AIR
SEC		SECONDARY
SEL		SELECTION – CHOICE, USUALLY BETWEEN TWO ITEMS
SFTY		SAFETY
<b>SLT ____</b>		<b>STREET LIGHT Series</b> ( <i>followed by a Blank-space then Letters</i> )
SLV		SLAVE ( <i>example: SLAVE controller; counterpart: MASTER</i> )
SMK		SMOKE
SMKEVAC		SMOKE EVACUATION or SMOKE PURGE
SMR		SUMMER
SMR/WNTR		SUMMER/WINTER
SP		STATIC PRESSURE
SPT		SETPOINT
S/S		STOP / START
SSS		STEAM SPIKING STATION
STA		STATUS
STM		STEAM
SUC	CHW program	SUCTION
SUPV		SUPERVISORY
<b>SVC</b>		<b>STEAM VALVE CONTROL</b>
SW		SWITCH
SYS		SYSTEM
T		TEMPERATURE
TBRKSW		THERMAL BREAK SWITCH
TIEBKR		TIE BREAKER
TMP		TAMPER ( <i>for monitoring Enclosures and Valves</i> )
TRBL (#)		TROUBLE ( <i>may be followed by a number</i> )
TUN		TUNNEL
VLT		VOLTS, VOLTAGE
VEL		VELOCITY
VIB		VIBRATION ( <i>used for vibration alarms</i> )
VLV		VALVE
VOL		VOLUME

**BOLD** type = default Combo (doesn't follow NOTE 1, see last page)

NOTE: for Ref names, see document for Microblock Naming conventions

W	WATER
WBT	WET BULB TEMPERATURE
WDET (#)	WATER DETECTOR ( <i>may be followed by a number</i> )
WFMS	WATER FLOW MEASURING STATION ( <i>water flow meter</i> )
WLVL	WATER LEVEL
WNTR	WINTER
ZN __	ZONE ( <i>often followed by a letter or number</i> )
ZNWT	ZONE WATER TEMP
2W	2-WAY
3W	3-WAY

## LEGEND

Items in **BOLD**

**Bold** text means “default combined acronym”

### NOTES:

1. These acronyms may be combined with each type of system acronyms, specific equipment identification acronyms, and other BAS acronyms as necessary to create an overall acronym that describes a particular application (i.e. CHWST = Chilled Water Supply Temperature, RADMPR = Return Air Damper, RADHWST = Radiation loop Hot Water Supply Temperature, SMKDMPR = Smoke Damper, etc.)
2. If there are multiple devices in the same control function, add a sequential numeric suffix to give each one a unique identification. For instance, if a pump system has two remote differential pressure sensors, they would be DP1 & DP2.

## OTHER LISTS

The last-page (page 8 of 8) of this 9/29/2017 version of the document, includes two lists of Abbreviations & Acronyms REMOVED from the “Standard”. This is for “forward compatibility” /backward-compatibly.

**BOLD** type = default Combo (doesn’t follow NOTE 1, see last page)

NOTE: for Ref names, see document for Microblock Naming conventions

OTHER LISTS:

REMOVED, and put on a SEPARATE LIST for DRAWING LEGEND

<b>ATC</b>	<b>AUTOMATIC TEMPERATURE CONTROL</b>
<b>DDC</b>	<b>DIRECT DIGITAL CONTROL</b>
<b>FACP</b>	<b>FIRE ALARM CONTROL PANEL</b>
<b>MOD</b>	<b>MODULATING</b>
<b>MUX</b>	<b>STAEFA C-MUX</b>
<b>NET</b>	<b>STAEFA INTEGRAL SYSTEM TWO PANEL</b> , NET PANEL
<b>PER</b>	<b>PERIOD</b>
<b>SPG RTN</b>	<b>SPRING RETURN</b>
<b>S-S-A</b>	<b>STOP-START-AUTO</b> (INDICATOR TO SHOW POINT CAN BE CONTROLLED)
<b>SVC</b>	<b>SERVICE</b>

Items REMOVED, included only for REFERENCE purposes:

- EAT Entering Air Temperature
- EWT Entering Water Temperature
- LAT Leaving Air Temperature
- VIGV Variable Inlet Guide Vanes (was from before VFDs)
- VS Smart2 View Screen OR??Vision Attribute Point
- CTRLAP CONTROL AIR PRESSURE
- FA FIRE ALARM
- FESYS-CA FIRE EXTINGUISHER SYSTEM – CLEAN AGENT
- FNFLRST FAN FAIL RESEAT
- FORCSW FUEL OIL RECLOSURE SWITCH
- FRDRMON FIRE DOOR MONITOR
- FRSTDSCH FIRESTATE DISCHARGE
- MAINW MAINWATER
- SMKDT SMOKE DETECTOR
- STSOL STRONG SOLUTION (DESSICANT FLUID)
- WKSOL WEAK SOLUTION
-