

Unit of Measure (UOM)

In the loX, units of measure include the scientific units of measure as well as custom types. A unit of measure is a numeric type that fully defines a value. Values in square brackets are keywords that may be specified for the unit of measure instead of the numeric value when sending a request to ISY. The ISY will always return the numeric value for the unit of measure.

Values

0	=	Unit of measure is unknown
1	=	ampere (amp) [amp, ampere]
2	=	boolean
3	=	btu/h [btuh]
4	=	celsius (C) [C, celsius]
5	=	centimeter (cm) [cm]
6	=	cubic feet
7	=	cubic feet per minute (cfm)
8	=	cubic meter
9	=	day
10	=	days
11	=	Deadbolt status
12	=	decibel (db) [db]
13	=	decibel A (dbA) [dbA]
14	=	degree
15	=	Door lock alarm
16	=	european macroseismic
17	=	Fahrenheit (F) [F]
18	=	feet
19	=	hour
20	=	hours
21	=	absolute humidity
22	=	relative humidity
23	=	inches of mercury (inHg)
24	=	inches/hour
25	=	index
26	=	kelvin (K) [K]
27	=	keyword
28	=	kilogram (kg) [kg]
29	=	kilovolt (kV)
30	=	kilowatt (kW)
31	=	kilopascal (kPa) [kpa]
32	=	kilometers/hour (KPH)
33	=	kilowatts/hour (kWh) [kwh]
34	=	liedu
35	=	liter (l)
36	=	lux [lux]
37	=	mercalli
38	=	meter (m)
39	=	cubic meters/hour
40	=	meters/sec (m/s)

41 = milliamp (mA)
42 = millisecond (ms)
43 = millivolt (mV)
44 = minute
45 = duration in minutes
46 = millimeters/hour (mm/hr)
47 = month (Jan=1, Feb=2, etc.)
48 = miles/hour (MPH)
49 = - Reserved -
50 = ohm [**ohm**]
51 = percent
52 = pound
53 = Power Factor
54 = Parts/Million (PPM)
55 = pulse count
56 = The raw value as reported by the device
57 = second
58 = Duration in seconds
59 = seimens/meter
60 = body wave magnitude scale
61 = Richter scale
62 = moment magnitude scale
63 = surface wave magnitude scale
64 = shindo
65 = SML
66 = **Thermostat heat/cool state**
67 = **Thermostat mode**
68 = **Thermostat fan mode**
69 = US gallon
70 = User number
71 = UV index
72 = volt [**V, volt**]
73 = watt [**W, watt**]
74 = watts/square meter
75 = weekday (Sun=0, Sat=1, etc.)
76 = **Wind Direction in degrees**
77 = year
78 = 0-Off 100-On, 101-Unknown
79 = 0-Open 100-Close, 101-Unknown
80 = **Thermostat fan run state**
81 = Thermostat fan mode override
82 = millimeter [**mm**]
83 = kilometer
84 = Secure Mode 0-Unlock 1-Lock
85 = Ohm Meter (Electrical resistivity)
86 = KiloOhm
87 = cubic meter/cubic meter
88 = Water activity
89 = rotations/Minute (RPM)
90 = Hertz (Hz)
91 = Angle Position degrees relative to North Pole
92 = Angle Position degrees relative to South Pole
93 = **Power Management Alarm**
94 = **Appliance Alarm**
95 = **Home Health Alarm**
96 = **VOC Level**
97 = **Barrier Status**

98 = **Insteon Thermostat Mode** – For Insteon compatibility, should use 67 (Thermostat Mode)

99 = **Insteon Thermostat Fan Mode** – For Insteon compatibility, should use 68 (Thermostat Fan Mode)

100 = A Level from 0–255 e.g. brightness of a dimmable lamp

101 = Degree multiplied by 2 (for Insteon compatibility) – For Insteon compatibility, should use 14 (degree)

102 = Kilowatt Second (kWs)

103 = Dollar

104 = Cents

105 = Inches

106 = Millimeters per day

107 = Raw 1-byte unsigned value

108 = Raw 2-byte unsigned value

109 = Raw 3-byte unsigned value

110 = Raw 4-byte unsigned value

111 = Raw 1-byte signed value

112 = Raw 2-byte signed value

113 = Raw 3-byte signed value

114 = Raw 4-byte signed value

115 = Most recent On style action taken for lamp control

116 = Mile

117 = Millibar (mb), typically used in barometric reports

118 = Hectopascal (hPa), typically used in barometric reports

119 = Watt Hour

120 = Inches per day

121 = Mole per cubic meter (mol/m³)

122 = Microgram per cubic meter (ug/m³)

123 = Becquerel per cubic meter (bq/m³)

124 = Picocuries per liter (pCi/l)

125 = Acidity (pH)

126 = Beats per Minute (bpm)

127 = Millimeters of mercury (for blood pressure)

128 = Joule (J)

129 = Body Mass Index (BMI)

130 = Liters per hour

131 = Decibel Milliwatts (dBm)

132 = Breaths per minute

133 = KiloHertz (kHz)

134 = Meters per squared Seconds (m/sec²)

135 = For Apparent Power, VA = Volt-Amp

136 = For Reactive Power, VAR = Volt-Amp Reactive

137 = NTP DateTime – Number of seconds since 1900

138 = Pound per square inch (PSI)

139 = 0 to 360 degrees

140 = Milligram per liter (mg/l)

141 = Newton (N)

142 = US gallons per second

143 = US gallons per minute

144 = US gallons per hour

145 = Text (5.4.2+)

146 = Reserved for System Editors (Do not use) (5.4.2+)

147 = XML

148 = Reserved for System Editors (Do not use)

149 = 0–360 Degree of Hue

150 = URL for streaming video/audio/etc.

151 = Unix Timestamp

Special Values

11 = Deadbolt status

- 0 – Unlocked
- 100 – Locked
- 101 – Unknown
- 102 – Jammed

15 = Door lock alarm

- 1 – Master Code Changed
- 2 – Tamper Code Entry Limit
- 3 – Escutcheon Removed
- 4 – Key/Manually Locked
- 5 – Locked by Touch
- 6 – Key/Manually Unlocked
- 7 – Remote Locking Jammed Bolt
- 8 – Remotely Locked
- 9 – Remotely Unlocked
- 10 – Deadbolt Jammed
- 11 – Battery Too Low to Operate
- 12 – Critical Low Battery
- 13 – Low Battery
- 14 – Automatically Locked
- 15 – Automatic Locking Jammed Bolt
- 16 – Remotely Power Cycled
- 17 – Lock Handling Completed
- 19 – User Deleted
- 20 – User Added
- 21 – Duplicate PIN
- 22 – Jammed Bolt by Locking with Keypad
- 23 – Locked by Keypad
- 24 – Unlocked by Keypad
- 25 – Keypad Attempt outside Schedule
- 26 – Hardware Failure
- 27 – Factory Reset
- 28 = Manually Not Fully Locked
- 29 = All User Codes Deleted
- 30 = New User Code Not Added (Duplicate Code)
- 31 = Keypad Temporarily Disabled
- 32 = Keypad Busy
- 33 = New Program Code Entered
- 34 = RF Unlock With Invalid User Code
- 35 = RF Lock With Invalid User Codes
- 36 = Window/Door Is Open
- 37 = Window/Door Is Closed
- 38 = Window/Door Handle Is Open
- 39 = Window/Door Handle Is Closed

40 = User Code Entered On Keypad
41 = Power Cycled

66 = Thermostat heat/cool state

- 0 – Idle
- 1 – Heating
- 2 – Cooling
- 3 – Fan Only
- 4 – Pending Heat
- 5 – Pending Cool
- 6 – Vent
- 7 – Aux Heat
- 8 – 2nd Stage Heating
- 9 – 2nd Stage Cooling
- 10 – 2nd Stage Aux Heat
- 11 – 3rd Stage Aux Heat

67 = Thermostat mode

- 0 – Off
- 1 – Heat
- 2 – Cool
- 3 – Auto
- 4 – Aux/Emergency Heat
- 5 – Resume
- 6 – Fan Only
- 7 – Furnace
- 8 – Dry Air
- 9 – Moist Air
- 10 – Auto Changeover
- 11 – Energy Save Heat
- 12 – Energy Save Cool
- 13 – Away
- 14 = Program Auto
- 15 = Program Heat
- 16 = Program Cool

68 = Thermostat fan mode

- 0 – Auto
- 1 – On
- 2 – Auto High
- 3 – High
- 4 – Auto Medium
- 5 – Medium

6 – Circulation
7 – Humidity Circulation
8 = Left & Right Circulation
9 = Up & Down Circulation

10 = Quiet

76 = A 1-360 degree clockwise Wind Direction

0 = No Wind
90 = East
180 = South
270 = West
360 = North

80 = Thermostat fan running state

0 – Off
1 – On
2 – On High
3 – On Medium
4 – Circulation
5 – Humidity Circulation
6 – Right/Left Circulation
7 – Up/Down Circulation
8 – Quiet Circulation

93 = Power Management Alarm

- 1 – Power Applied
- 2 – Ac Mains Disconnected
- 3 – Ac Mains Reconnected
- 4 – Surge Detection
- 5 – Volt Drop Or Drift
- 6 – Over Current Detected
- 7 – Over Voltage Detected
- 8 – Over Load Detected
- 9 – Load Error
- 10 – Replace Battery Soon
- 11 – Replace Battery Now
- 12 – Battery Is Charging
- 13 – Battery Is Fully Charged
- 14 – Charge Battery Soon
- 15 – Charge Battery Now

94 = Appliance Alarm

- 1 – Program Started
- 2 – Program In Progress
- 3 – Program Completed
- 4 – Replace Main Filter
- 5 – Failure To Set Target Temperature
- 6 – Supplying Water
- 7 – Water Supply Failure
- 8 – Boiling
- 9 – Boiling Failure
- 10 – Washing
- 11 – Washing Failure
- 12 – Rinsing
- 13 – Rinsing Failure
- 14 – Draining
- 15 – Draining Failure
- 16 – Spinning
- 17 – Spinning Failure
- 18 – Drying
- 19 – Drying Failure
- 20 – Fan Failure
- 21 – Compressor Failure

95 = Home Health Alarm

- 1 – Leaving Bed
- 2 – Sitting On Bed
- 3 – Lying On Bed
- 4 – Posture Changed
- 5 – Sitting On Edge Of Bed

96 = VOC Level

- 1 - Clean
- 2 - Slightly Polluted
- 3 - Moderately Polluted
- 4 - Highly Polluted

97 = Barrier Status

- 0 - Closed
- 1-99 - Percent Closed (1% = almost Closed, 99% = almost Open)
- 100 - Open
- 101 - Unknown
- 102 - Stopped
- 103 - Closing
- 104 - Opening

98 = Insteon Thermostat mode

- 0 - Off
- 1 - Heat
- 2 - Cool
- 3 - Auto
- 4 - Fan Only
- 5 - Program Auto
- 6 - Program Heat
- 7 - Program Cool

99 = Insteon Thermostat fan mode

- 7 - On
- 8 - Auto

115 = Most recent On style action taken for lamp control

- 0 - On
- 1 - Off
- 2 - Fade Up
- 3 - Fade Down

- 4 - Fade Stop
- 5 - Fast On
- 6 - Fast Off
- 7 - Triple Press (On)
- 8 - Triple Press (Off)
- 9 - 4 x Press (On)
- 10 - 4 x Press (Off)
- 11 - 5 x Press (On)
- 12 - 5 x Press (Off)