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1 const legacy = require('zigbee-herdsman-converters/lib/legacy');
2 const fz = {...require('zigbee-herdsman-converters/converters/fromZigbee'), legacy: require('zigbee-herdsman-converters/lib/legacy').fromZigbee};
3 const tz = {...require('zigbee-herdsman-converters/converters/toZigbee'), legacy: require('zigbee-herdsman-converters/lib/legacy').toZigbee};
4 const exposes = require('zigbee-herdsman-converters/lib/exposes');
5 const reporting = require('zigbee-herdsman-converters/lib/reporting');
6 const extend = require('zigbee-herdsman-converters/lib/extend');
7 const ota = require('zigbee-herdsman-converters/lib/ota');
8 const tuya = require('zigbee-herdsman-converters/lib/tuya');
9 const utils = require('zigbee-herdsman-converters/lib/utils');
10 const globalStore = require('zigbee-herdsman-converters/lib/store');
11 const e = exposes.presets;
12 const ea = exposes.access;
13
14 const exposesLocal = {
15   hour: (name) => exposes.numeric(name, ea.STATE_ANY_SET).withUnit('h').withValueMin(0).withValueMax(23),
16   minute: (name) => exposes.numeric(name, ea.STATE_SET).withUnit('m').withValueMin(0).withValueMax(59),
17   program_temperature: (name) => exposes.numeric(name, ea.STATE_SET).withUnit('°C')
18     .withValueMin(5).withValueMax(35).withValueStep(0.5),
19 };
20
21 const definition = {
22   fingerprint: [{modelID: 'TS0601', manufacturerName: '_TZE204_aoclfnxz'},
23     {modelID: 'TS0601', manufacturerName: '_TZE200_ztvwu4nk'},
24     {modelID: 'TS0601', manufacturerName: '_TZE204_5toc8efa'},
25     {modelID: 'TS0601', manufacturerName: '_TZE200_5toc8efa'},
26     {modelID: 'TS0601', manufacturerName: '_TZE200_5jksfb'},
27     {modelID: 'TS0601', manufacturerName: '_TZE200_u9bfwha0'}],
28   model: 'BHT-002-GCLZB',
29   vendor: 'Moes',
30   description: 'Moes BHT series Thermostat',
31   fromZigbee: [fz.legacy.moes_thermostat],
32   toZigbee: [tz.legacy.moes_thermostat_child_lock, tz.legacy.moes_thermostat_current_heating_setpoint, tz.legacy.moes_thermostat_mode,
33     tz.legacy.moes_thermostat_standby, tz.legacy.moes_thermostat_sensor, tz.legacy.moes_thermostat_calibration,
34     tz.legacy.moes_thermostat_deadzone_temperature, tz.legacy.moes_thermostat_max_temperature_limit, tz.legacy.moes_thermostat_min_temperature_limit],
35   exposes: [e.child_lock(), e.deadzone_temperature(), e.max_temperature_limit(), e.min_temperature_limit(),
36     exposes.climate().withSetpoint('current_heating_setpoint', 5, 35, 1, ea.STATE_SET)
37       .withLocalTemperature(ea.STATE).withLocalTemperatureCalibration(-30, 30, 0.1, ea.STATE_SET)
38       .withSystemMode(['off', 'heat'], ea.STATE_SET).withRunningState(['idle', 'heat', 'cool'], ea.STATE)
39       .withPreset(['hold', 'program'])],
40     e.temperature_sensor_select(['IN', 'AL', 'OU']),
41     exposes.composite('program', 'program', ea.STATE_SET).withDescription('Time of day and setpoint to use when in program mode')
42       .withFeature(exposesLocal.hour('weekdays_p1_hour'))
43       .withFeature(exposesLocal.minute('weekdays_p1_minute'))
44       .withFeature(exposesLocal.program_temperature('weekdays_p1_temperature'))
45       .withFeature(exposesLocal.hour('weekdays_p2_hour'))
46       .withFeature(exposesLocal.minute('weekdays_p2_minute'))
47       .withFeature(exposesLocal.program_temperature('weekdays_p2_temperature'))
48       .withFeature(exposesLocal.hour('weekdays_p3_hour'))
49       .withFeature(exposesLocal.minute('weekdays_p3_minute'))
50       .withFeature(exposesLocal.program_temperature('weekdays_p3_temperature'))
51       .withFeature(exposesLocal.hour('weekdays_p4_hour'))
52       .withFeature(exposesLocal.minute('weekdays_p4_minute'))
53       .withFeature(exposesLocal.program_temperature('weekdays_p4_temperature'))
54       .withFeature(exposesLocal.hour('saturday_p1_hour'))
55       .withFeature(exposesLocal.minute('saturday_p1_minute'))
56       .withFeature(exposesLocal.program_temperature('saturday_p1_temperature'))
57       .withFeature(exposesLocal.hour('saturday_p2_hour'))
58       .withFeature(exposesLocal.minute('saturday_p2_minute'))
59       .withFeature(exposesLocal.program_temperature('saturday_p2_temperature'))
60       .withFeature(exposesLocal.hour('saturday_p3_hour'))
61       .withFeature(exposesLocal.minute('saturday_p3_minute'))
62       .withFeature(exposesLocal.program_temperature('saturday_p3_temperature'))
63       .withFeature(exposesLocal.hour('saturday_p4_hour'))
64       .withFeature(exposesLocal.minute('saturday_p4_minute'))
65       .withFeature(exposesLocal.program_temperature('saturday_p4_temperature'))
66       .withFeature(exposesLocal.hour('sunday_p1_hour'))
67       .withFeature(exposesLocal.minute('sunday_p1_minute'))
68       .withFeature(exposesLocal.program_temperature('sunday_p1_temperature'))
69       .withFeature(exposesLocal.hour('sunday_p2_hour'))
70       .withFeature(exposesLocal.minute('sunday_p2_minute'))
71       .withFeature(exposesLocal.program_temperature('sunday_p2_temperature'))
72       .withFeature(exposesLocal.hour('sunday_p3_hour'))
73       .withFeature(exposesLocal.minute('sunday_p3_minute'))
74       .withFeature(exposesLocal.program_temperature('sunday_p3_temperature'))
75       .withFeature(exposesLocal.hour('sunday_p4_hour'))
76       .withFeature(exposesLocal.minute('sunday_p4_minute'))
77       .withFeature(exposesLocal.program_temperature('sunday_p4_temperature')),
78   ],
79   onEvent: tuya.onEventSetLocalTime,
80 };
81
82 module.exports = definition;
```