```
1 #:kivy 1.11.1
 2 <ModbusPopup>:
 3
       title: "Configurações MODBUS"
 4
       size_hint_y: None
 5
       size hint x: 0.4
 6
       height: 200
 7
       BoxLayout:
 8
           id: layout
 9
           orientation: 'vertical'
10
           GridLayout:
11
                cols: 2
12
                rows: 2
13
               Label:
                    text: "IP"
14
15
                    font size: 14
16
               TextInput:
                    id: txt ip
17
                    text: "127.0.0.1"
18
                    fonte size: 14
19
                    halign: 'center'
20
                    valign: 'middle'
21
               Label:
22
23
                    text: "Porta"
                    font size: 14
24
25
               TextInput:
                    id: txt_porta
26
                    text: "502"
27
28
                    fonte_size: 14
                    halign: 'center'
29
                    valign: 'middle'
30
31
           BoxLayout:
32
               orientation: 'horizontal'
33
               Button:
34
                    size_hint_y: None
35
                    height: 40
                    text: "Conectar"
36
37
                    on_release:
38
                        root.clearInfo()
                        app.root.startDataRead(txt_ip.text, int(txt_porta.text))
39
40
               Button:
41
                    size_hint_y: None
                    height: 40
42
43
                    text: "Fechar"
44
                    on release:
                        root.dismiss()
45
                        root.clearInfo()
46
47
48
   <ScanPopup>:
       title: "Configuração ScanTime"
49
50
       size_hint_y: None
51
       size_hint_x: 0.4
52
       height: 150
53
       BoxLayout:
54
           id: layout
55
           orientation: 'vertical'
56
           GridLayout:
```

```
cols: 2
 57
 58
                 rows: 1
 59
                 Label:
                     text: "ScanTime [ms]"
 60
                     font size: 14
 61
 62
                 TextInput:
                     id: txt st
 63
                     fonte size: 14
 64
                     halign: 'center'
 65
 66
                     valign: 'middle'
            BoxLayout:
 67
                 orientation: 'horizontal'
 68
 69
                 Button:
                     size_hint_y: None
 70
                     height: 40
 71
                     text: "Configurar"
 72
 73
                     on_release:
 74
                         app.root._scan_time = int(txt_st.text)
 75
                 Button:
 76
                     size_hint_y: None
 77
                     height: 40
 78
                     text: "Fechar"
 79
                     on release:
 80
                         root.dismiss()
 81
 82
    <DataGraphPopup>:
        title: "Gráfico de temperatura na fornalha"
 83
 84
        BoxLayout:
 85
            orientation: 'vertical'
 86
            TimeSeriesGraph:
 87
                 id: graph
                 xlabel: 'Horário'
 88
                 ylabel: 'Temperatura [°C]'
 89
                 background_color: 0.5,0.5,0.5,0.5
 90
                 x_ticks_minor: 1
 91
                 x_ticks_major: 5
 92
                 y_ticks_major: 100
 93
                 y grid label: True
 94
 95
                 x_grid_label: True
                 padding: 5
 96
 97
                 x_grid: True
                 y grid: True
 98
 99
                 xmin:0
100
                 ymin:0
101
                 ymax:500
102
            BoxLayout:
                 orientation: 'horizontal'
103
                 size_hint: (1,0.05)
104
105
                 BoxLayout:
                     orientation: 'horizontal'
106
107
                     size hint: (0.5,1)
108
                     Label:
109
                         size_hint: (0.3,1)
                         text: "Número do pontos do gráfico"
110
111
                     LabeledCheckBoxDataGraph:
112
                         id:mp20
113
                         on_kv_post:
```

```
114
                             self.ids.label.text = '20'
115
                             self.ids.checkbox.group = 'cb group'
116
                             self.ids.checkbox.active = True
                     LabeledCheckBoxDataGraph:
117
118
                         id:mp50
119
                         on kv post:
120
                             self.ids.label.text = '50'
121
                             self.ids.checkbox.group = 'cb_group'
122
                     LabeledCheckBoxDataGraph:
123
                         id:mp100
124
                         on kv post:
125
                             self.ids.label.text = '100'
                             self.ids.checkbox.group = 'cb_group'
126
127
                Button:
                     text: "Fechar"
128
129
                     size hint: (0.2,1)
                     on release: root.dismiss()
130
131
132
133 <LabeledCheckBoxDataGraph>:
134
        orientation: 'horizontal'
135
        size hint: (0.1,1)
136
        CheckBox:
137
            id: checkbox
138
            on active: app.root. graph.ids.graph.setMaxPoints(int(label.text),0) if
    app.root is not None else None
        Label:
139
            id:label
140
141
142 <HistGraphPopup>:
        title: "Histórico de Temperatura na Refinaria"
143
144
        BoxLayout:
            orientation: 'vertical'
145
            TimeSeriesGraph:
146
                id: graph
147
148
                xlabel: 'Horário'
                ylabel: 'Temperatura [°C]'
149
                background_color: 0.5,0.5,0.5,0.5
150
                x ticks minor: 1
151
                x ticks major: 5
152
153
                y ticks major: 100
                y grid label: True
154
                x_grid_label: True
155
                padding: 5
156
                x grid: True
157
                y grid: True
158
159
                xmin:0
160
                ymin:0
161
                ymax:500
            BoxLayout:
162
163
                id: sensores
                orientation: 'horizontal'
164
165
                size_hint: (1,0.1)
166
            BoxLavout:
167
                orientation: 'horizontal'
                size_hint: (1,0.1)
168
169
                Label:
```

```
170
                    text: 'Timestamp inicial \r\n [size=12] (DD/MM/AAAA HH:MM :SS)
    [/size]'
                    halign: 'center'
171
172
                    markup: True
                TextInput:
173
                    id: txt_init_time
174
175
                    size hint: (1,0.8)
                    halign: 'center'
176
177
                    valign: 'middle'
178
                    multiline: False
                Label:
179
                    text: 'Timestamp final \r\n [size=12] (DD/MM/AAAA HH:MM :SS)[/size]'
180
                    halign: 'center'
181
                    markup: True
182
183
                TextInput:
184
                    id: txt_final_time
                    size_hint: (1,0.8)
185
                    halign: 'center'
186
                    valign: 'middle'
187
188
                    multiline: False
189
                Button:
190
                    text: "Fechar"
191
                    size hint: (1,0.8)
192
                    on_release: root.dismiss()
193
194
195 <LabeledCheckBoxHistGraph>:
196
        orientation: 'horizontal'
197
        size_hint: (0.05,1)
        CheckBox:
198
199
            id: checkbox
200
            on active: app.root.getDataDB()
        Label:
201
202
            id:label
            font size: 12
203
            bold: True
204
```

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