

**f<sub>x</sub>** calcFireTarget(f: SuperimposedFrame): FireTarget

**f<sub>x</sub>** superimpose(rgb: RgbFrame, d: Frame, t: Frame): SuperimposedFrame

▶ forall i: nat, j: nat @ (result.contents)[i,j].rgb==rgb[i,j]/^(result.contents)[i,j].d==d[i,j]/^(result.contents)[i,j].t==t[i,j]

 FireDetect

Ⓜ MLX90640

Ⓜ RealSenseD435i

✕ fp: FireTarget, fs: FireStatus, wm: WallMetrics, checkDone: boolean

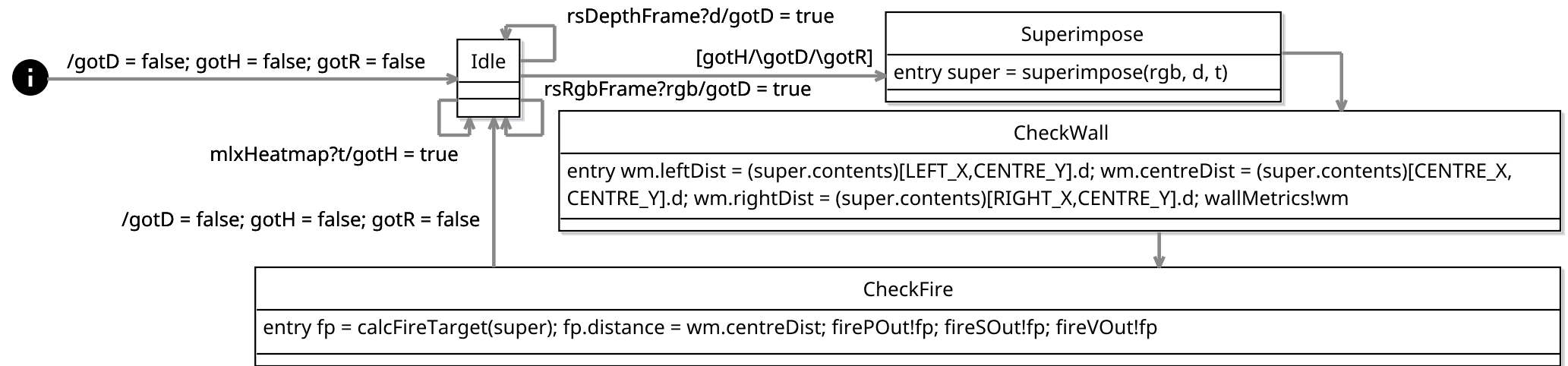
✕ gotD: boolean, gotH: boolean, gotR: boolean

✕ rgb: RgbFrame, d: Frame, t: Frame, super: SuperimposedFrame

π LEFT\_X: nat, CENTRE\_X: nat, RIGHT\_X: nat, CENTRE\_Y: nat

ⓘ MLX90640Events

ⓘ RealSenseD435iEvents



□ wallMetrics: WallMetrics

□ firePOut: FireTarget

□ fireSOut: FireTarget

□ fireVOut: FireTarget

□ mlxHeatmap: Frame

□ rsRgbFrame: RgbFrame

□ rsDepthFrame: Frame