

```

(*Only runs first time - sets the zone array*)
if firstScan = True then
    firstScan := False;
    TimerStart( ObstacleData.timerChanged );
    CreateArray(zones, 1, maxZones, ObstacleData, Status);
end_if;

(*If new data arrived read CameraID and ObstacleData, add this to correct zone*)
if NewData = True then
    ReadCameraID( Serial_in := Serial_Data,
                  CameraID => CameraID );

    ReadObstacleData( Serial_in := Serial_Data,
                      ObstacleData => ObstacleData );

    (*Assign obstacle data to correct zone*)

    if CameraID > 0 and CameraID <= maxZones then
        PutArray( Array := zones,
                  Index := CameraID,
                  ArrayElement := ObstacleData,
                  Status => Status );
    end_if;
end_if;

(*Loop over every zone and check if we have received data in the last <resetTime> milliseconds, if not: reset all values*)
for i := 1 to maxZones do
    GetArray( Array := zones,
              Index := i,
              ArrayElement => ObstacleData,
              Status => Status );

    if TimerElapsedMS( ObstacleData.timerChanged ) > resetTime then
        ObstacleData.Track1 := False;
        ObstacleData.Track2 := False;
        TimerReset( ObstacleData.timerChanged );
        PutArray( Array := zones,
                  Index := i,
                  ArrayElement := ObstacleData,
                  Status => Status );
    end_if;
end_for;

i := 1;

```