

Overview

eMACROS HS-003 is a motion sensor and driveway alarm home security system for indoor and outdoor use.

Wide Range of Uses: Motion detection is an essential part of any home security solution. The waterproof sensors in this system uses a heat and motion sensor (PIR) to detect movement to detect heat and movement so you can quickly be alerted to movement on your driveway, front porch, gate, shed, walkway, or even swimming pool (for when kids get too close). Great for homes, businesses and offices.

Long Distance Wireless: Communication range up to 500ft (150 Meters) from each sensor to the receiver. Cars, people and animals can be detected within a 27/8 Meters of each sensor's angled eyes. Think of this system as your long-range doorbell.

Easy to Install & DIY - This system is fully-expandable, with plug-and-play sensors that can be set up within minutes. Pair each receiver with the base station to provide full coverage of your property. The sensors can be mounted to walls, fence posts, trees, or any other surface, providing extra layers of security and home safety.

IC STATEMENT
Ce dispositif contient une licence-exempte transmetteur(s)/récepteur(s) qui comply with Innovation, Science and Economic Development Canada's license-exempt RSSs. Operation is subject to the following two conditions:
(1) This device must not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur éventuel de ce dispositif contient une CMI et est soumis aux RSS de l'Innovation, des Sciences et du Développement économique Canada. L'exploitation est soumise aux deux conditions suivantes:
1. L'émetteur ne doit pas produire de brouillage.
2. L'émetteur doit accepter tout brouillage radioélectrique, y compris tout brouillage qui peut entraîner un fonctionnement indésirable.

Power on/off
Press and hold the Power button for 3s to turn on/off.

Mode
Press and hold the Mode button for 3s to enter the pairing mode and short press to select the zone number.

Volume +
Press the Volume + button to increase the volume level of the base station.

Volume -
Press the Volume - button to reduce the volume level of the base station.

1. Base station

2. Motion Sensor

3. The base station will produce a unique tone to indicate that the pairing has been successful. The zone/channel number will be increased automatically.

4. You can also specify this zone/channel number manually that press and hold the Mode for 3s to enter the pairing mode and then short press the Mode button to change the zone/channel number your favorite channel, then wave your hand to trigger the motion sensor.

Note: You need to pair the motion sensor with the base station when you use it first time.

5. Adjust the volume level of the base station

Volume +
Press the Volume + button to increase the volume level of the base station.

Volume -
Press the Volume - button to reduce the volume level of the base station.

4. Low Battery Prompt

a. If the battery of the base station is low, it will prompt base power low. Please replace the battery in time.
b. If the battery of the motion sensor is low, the base station will prompt the Channel X power low (The X is stand for channel number). Please replace the battery in time.

5. Clear pairing records from the base station

Press and hold the Mode button on the base station and then plug in the USB power or insert the AA battery until the four digital indicators turn off in turn, the pairing records are clear.

Installation of the Motion Sensor

1. Installation environment confirmation

The motion sensor uses a Pyroelectric infrared sensor to detect the infrared radiation temperature change of a moving object.

2. Installation height for the motion sensor

The infrared changes around the installation environment have a great impact on it, so there are the following requirements for the installation environment:

- 1) The sensor detection range cannot have air cooler or warm fan and other interference infrared changes, it is best not to have trees;
- 2) Avoid direct infrared sensor eye of sunlight, car headlights, incandescent lamps, etc.;
- 3) Between the sensor and the detection object to avoid glass and acrylic and other substances difficult to pass through the infrared;
- 4) The sensor cannot be used to detect a heat source that is not moving or moving at high speed.
- 5) Electromagnetic interference or obstacles will reduce the wireless distance. Please avoid too many trees, walls and other obstacles between the sensor and the base

3. Installation height for the motion sensor

4. Installation method

a. Use the 3M back glue to stick the magnetic suction support directly on the wall or other objects with flat surface.
b. Fix the magnetic suction support on the wall or the flat surface of other objects with the screws in the accessories.

5. The system is not getting expected transmission range.

a. Check whether the battery of the motion sensor is in low power state. If so, please charge or replace the battery in time.
b. Ensure that all equipment is installed away from metal obstacles and other electrical equipment.

6. If the system goes off continuously

a. Please try to cover the detection window of the sensor with something to confirm whether there is any false alarm. In that way, the environmental interference can be eliminated first.
b. If it is still continuous go off, please contact us to replace the faulty sensor.

7. The system is giving some false alarm.

a. Please try to cover the detection window of the sensor with something to confirm whether there is any false alarm. In that way, the environmental interference can be eliminated first.
b. If it is still continuous go off, please contact us to replace the faulty sensor.

8. Troubleshooting

1) The motion sensor is operating correctly, but the base station does not respond.

a. Make sure the power supply of the base station is normal.
b. Make sure the motion sensor and the base station in the valid range, please try to shorten the distance between the sensor and the base station.
c. Make sure the motion sensor and the base station has been paired correctly and successfully.

9. Work Frequency: 433.92 MHz

10. Transmit Power: less than 10dBm

11. Alarm sound: 120dB

12. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

13. Work Temperature: -4°F to 140°F(-20°C to +60°C)

14. Detection window: 6.7 FT (2.0 Meters)

15. The system is not getting expected transmission range.

16. If the system goes off continuously

17. The system is giving some false alarm.

18. Troubleshooting

19. Work Frequency: 433.92 MHz

20. Transmit Power: less than 10dBm

21. Alarm sound: 120dB

22. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

23. Work Temperature: -4°F to 140°F(-20°C to +60°C)

24. Detection window: 6.7 FT (2.0 Meters)

25. The system is not getting expected transmission range.

26. If the system goes off continuously

27. The system is giving some false alarm.

28. Troubleshooting

29. Work Frequency: 433.92 MHz

30. Transmit Power: less than 10dBm

31. Alarm sound: 120dB

32. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

33. Work Temperature: -4°F to 140°F(-20°C to +60°C)

34. Detection window: 6.7 FT (2.0 Meters)

35. The system is not getting expected transmission range.

36. If the system goes off continuously

37. The system is giving some false alarm.

38. Troubleshooting

39. Work Frequency: 433.92 MHz

40. Transmit Power: less than 10dBm

41. Alarm sound: 120dB

42. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

43. Work Temperature: -4°F to 140°F(-20°C to +60°C)

44. Detection window: 6.7 FT (2.0 Meters)

45. The system is not getting expected transmission range.

46. If the system goes off continuously

47. The system is giving some false alarm.

48. Troubleshooting

49. Work Frequency: 433.92 MHz

50. Transmit Power: less than 10dBm

51. Alarm sound: 120dB

52. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

53. Work Temperature: -4°F to 140°F(-20°C to +60°C)

54. Detection window: 6.7 FT (2.0 Meters)

55. The system is not getting expected transmission range.

56. If the system goes off continuously

57. The system is giving some false alarm.

58. Troubleshooting

59. Work Frequency: 433.92 MHz

60. Transmit Power: less than 10dBm

61. Alarm sound: 120dB

62. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

63. Work Temperature: -4°F to 140°F(-20°C to +60°C)

64. Detection window: 6.7 FT (2.0 Meters)

65. The system is not getting expected transmission range.

66. If the system goes off continuously

67. The system is giving some false alarm.

68. Troubleshooting

69. Work Frequency: 433.92 MHz

70. Transmit Power: less than 10dBm

71. Alarm sound: 120dB

72. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

73. Work Temperature: -4°F to 140°F(-20°C to +60°C)

74. Detection window: 6.7 FT (2.0 Meters)

75. The system is not getting expected transmission range.

76. If the system goes off continuously

77. The system is giving some false alarm.

78. Troubleshooting

79. Work Frequency: 433.92 MHz

80. Transmit Power: less than 10dBm

81. Alarm sound: 120dB

82. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

83. Work Temperature: -4°F to 140°F(-20°C to +60°C)

84. Detection window: 6.7 FT (2.0 Meters)

85. The system is not getting expected transmission range.

86. If the system goes off continuously

87. The system is giving some false alarm.

88. Troubleshooting

89. Work Frequency: 433.92 MHz

90. Transmit Power: less than 10dBm

91. Alarm sound: 120dB

92. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

93. Work Temperature: -4°F to 140°F(-20°C to +60°C)

94. Detection window: 6.7 FT (2.0 Meters)

95. The system is not getting expected transmission range.

96. If the system goes off continuously

97. The system is giving some false alarm.

98. Troubleshooting

99. Work Frequency: 433.92 MHz

100. Transmit Power: less than 10dBm

101. Alarm sound: 120dB

102. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

103. Work Temperature: -4°F to 140°F(-20°C to +60°C)

104. Detection window: 6.7 FT (2.0 Meters)

105. The system is not getting expected transmission range.

106. If the system goes off continuously

107. The system is giving some false alarm.

108. Troubleshooting

109. Work Frequency: 433.92 MHz

110. Transmit Power: less than 10dBm

111. Alarm sound: 120dB

112. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

113. Work Temperature: -4°F to 140°F(-20°C to +60°C)

114. Detection window: 6.7 FT (2.0 Meters)

115. The system is not getting expected transmission range.

116. If the system goes off continuously

117. The system is giving some false alarm.

118. Troubleshooting

119. Work Frequency: 433.92 MHz

120. Transmit Power: less than 10dBm

121. Alarm sound: 120dB

122. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

123. Work Temperature: -4°F to 140°F(-20°C to +60°C)

124. Detection window: 6.7 FT (2.0 Meters)

125. The system is not getting expected transmission range.

126. If the system goes off continuously

127. The system is giving some false alarm.

128. Troubleshooting

129. Work Frequency: 433.92 MHz

130. Transmit Power: less than 10dBm

131. Alarm sound: 120dB

132. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

133. Work Temperature: -4°F to 140°F(-20°C to +60°C)

134. Detection window: 6.7 FT (2.0 Meters)

135. The system is not getting expected transmission range.

136. If the system goes off continuously

137. The system is giving some false alarm.

138. Troubleshooting

139. Work Frequency: 433.92 MHz

140. Transmit Power: less than 10dBm

141. Alarm sound: 120dB

142. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

143. Work Temperature: -4°F to 140°F(-20°C to +60°C)

144. Detection window: 6.7 FT (2.0 Meters)

145. The system is not getting expected transmission range.

146. If the system goes off continuously

147. The system is giving some false alarm.

148. Troubleshooting

149. Work Frequency: 433.92 MHz

150. Transmit Power: less than 10dBm

151. Alarm sound: 120dB

152. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

153. Work Temperature: -4°F to 140°F(-20°C to +60°C)

154. Detection window: 6.7 FT (2.0 Meters)

155. The system is not getting expected transmission range.

156. If the system goes off continuously

157. The system is giving some false alarm.

158. Troubleshooting

159. Work Frequency: 433.92 MHz

160. Transmit Power: less than 10dBm

161. Alarm sound: 120dB

162. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

163. Work Temperature: -4°F to 140°F(-20°C to +60°C)

164. Detection window: 6.7 FT (2.0 Meters)

165. The system is not getting expected transmission range.

166. If the system goes off continuously

167. The system is giving some false alarm.

168. Troubleshooting

169. Work Frequency: 433.92 MHz

170. Transmit Power: less than 10dBm

171. Alarm sound: 120dB

172. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

173. Work Temperature: -4°F to 140°F(-20°C to +60°C)

174. Detection window: 6.7 FT (2.0 Meters)

175. The system is not getting expected transmission range.

176. If the system goes off continuously

177. The system is giving some false alarm.

178. Troubleshooting

179. Work Frequency: 433.92 MHz

180. Transmit Power: less than 10dBm

181. Alarm sound: 120dB

182. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

183. Work Temperature: -4°F to 140°F(-20°C to +60°C)

184. Detection window: 6.7 FT (2.0 Meters)

185. The system is not getting expected transmission range.

186. If the system goes off continuously

187. The system is giving some false alarm.

188. Troubleshooting

189. Work Frequency: 433.92 MHz

190. Transmit Power: less than 10dBm

191. Alarm sound: 120dB

192. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

193. Work Temperature: -4°F to 140°F(-20°C to +60°C)

194. Detection window: 6.7 FT (2.0 Meters)

195. The system is not getting expected transmission range.

196. If the system goes off continuously

197. The system is giving some false alarm.

198. Troubleshooting

199. Work Frequency: 433.92 MHz

200. Transmit Power: less than 10dBm

201. Alarm sound: 120dB

202. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

203. Work Temperature: -4°F to 140°F(-20°C to +60°C)

204. Detection window: 6.7 FT (2.0 Meters)

205. The system is not getting expected transmission range.

206. If the system goes off continuously

207. The system is giving some false alarm.

208. Troubleshooting

209. Work Frequency: 433.92 MHz

210. Transmit Power: less than 10dBm

211. Alarm sound: 120dB

212. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

213. Work Temperature: -4°F to 140°F(-20°C to +60°C)

214. Detection window: 6.7 FT (2.0 Meters)

215. The system is not getting expected transmission range.

216. If the system goes off continuously

217. The system is giving some false alarm.

218. Troubleshooting

219. Work Frequency: 433.92 MHz

220. Transmit Power: less than 10dBm

221. Alarm sound: 120dB

222. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

223. Work Temperature: -4°F to 140°F(-20°C to +60°C)

224. Detection window: 6.7 FT (2.0 Meters)

225. The system is not getting expected transmission range.

226. If the system goes off continuously

227. The system is giving some false alarm.

228. Troubleshooting

229. Work Frequency: 433.92 MHz

230. Transmit Power: less than 10dBm

231. Alarm sound: 120dB

232. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

233. Work Temperature: -4°F to 140°F(-20°C to +60°C)

234. Detection window: 6.7 FT (2.0 Meters)

235. The system is not getting expected transmission range.

236. If the system goes off continuously

237. The system is giving some false alarm.

238. Troubleshooting

239. Work Frequency: 433.92 MHz

240. Transmit Power: less than 10dBm

241. Alarm sound: 120dB

242. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

243. Work Temperature: -4°F to 140°F(-20°C to +60°C)

244. Detection window: 6.7 FT (2.0 Meters)

245. The system is not getting expected transmission range.

246. If the system goes off continuously

247. The system is giving some false alarm.

248. Troubleshooting

249. Work Frequency: 433.92 MHz

250. Transmit Power: less than 10dBm

251. Alarm sound: 120dB

252. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

253. Work Temperature: -4°F to 140°F(-20°C to +60°C)

254. Detection window: 6.7 FT (2.0 Meters)

255. The system is not getting expected transmission range.

256. If the system goes off continuously

257. The system is giving some false alarm.

258. Troubleshooting

259. Work Frequency: 433.92 MHz

260. Transmit Power: less than 10dBm

261. Alarm sound: 120dB

262. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

263. Work Temperature: -4°F to 140°F(-20°C to +60°C)

264. Detection window: 6.7 FT (2.0 Meters)

265. The system is not getting expected transmission range.

266. If the system goes off continuously

267. The system is giving some false alarm.

268. Troubleshooting

269. Work Frequency: 433.92 MHz

270. Transmit Power: less than 10dBm

271. Alarm sound: 120dB

272. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

273. Work Temperature: -4°F to 140°F(-20°C to +60°C)

274. Detection window: 6.7 FT (2.0 Meters)

275. The system is not getting expected transmission range.

276. If the system goes off continuously

277. The system is giving some false alarm.

278. Troubleshooting

279. Work Frequency: 433.92 MHz

280. Transmit Power: less than 10dBm

281. Alarm sound: 120dB

282. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

283. Work Temperature: -4°F to 140°F(-20°C to +60°C)

284. Detection window: 6.7 FT (2.0 Meters)

285. The system is not getting expected transmission range.

286. If the system goes off continuously

287. The system is giving some false alarm.

288. Troubleshooting

289. Work Frequency: 433.92 MHz

290. Transmit Power: less than 10dBm

291. Alarm sound: 120dB

292. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

293. Work Temperature: -4°F to 140°F(-20°C to +60°C)

294. Detection window: 6.7 FT (2.0 Meters)

295. The system is not getting expected transmission range.

296. If the system goes off continuously

297. The system is giving some false alarm.

298. Troubleshooting

299. Work Frequency: 433.92 MHz

300. Transmit Power: less than 10dBm

301. Alarm sound: 120dB

302. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

303. Work Temperature: -4°F to 140°F(-20°C to +60°C)

304. Detection window: 6.7 FT (2.0 Meters)

305. The system is not getting expected transmission range.

306. If the system goes off continuously

307. The system is giving some false alarm.

308. Troubleshooting

309. Work Frequency: 433.92 MHz

310. Transmit Power: less than 10dBm

311. Alarm sound: 120dB

312. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

313. Work Temperature: -4°F to 140°F(-20°C to +60°C)

314. Detection window: 6.7 FT (2.0 Meters)

315. The system is not getting expected transmission range.

316. If the system goes off continuously

317. The system is giving some false alarm.

318. Troubleshooting

319. Work Frequency: 433.92 MHz

320. Transmit Power: less than 10dBm

321. Alarm sound: 120dB

322. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

323. Work Temperature: -4°F to 140°F(-20°C to +60°C)

324. Detection window: 6.7 FT (2.0 Meters)

325. The system is not getting expected transmission range.

326. If the system goes off continuously

327. The system is giving some false alarm.

328. Troubleshooting

329. Work Frequency: 433.92 MHz

330. Transmit Power: less than 10dBm

331. Alarm sound: 120dB

332. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

333. Work Temperature: -4°F to 140°F(-20°C to +60°C)

334. Detection window: 6.7 FT (2.0 Meters)

335. The system is not getting expected transmission range.

336. If the system goes off continuously

337. The system is giving some false alarm.

338. Troubleshooting

339. Work Frequency: 433.92 MHz

340. Transmit Power: less than 10dBm

341. Alarm sound: 120dB

342. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

343. Work Temperature: -4°F to 140°F(-20°C to +60°C)

344. Detection window: 6.7 FT (2.0 Meters)

345. The system is not getting expected transmission range.

346. If the system goes off continuously

347. The system is giving some false alarm.

348. Troubleshooting

349. Work Frequency: 433.92 MHz

350. Transmit Power: less than 10dBm

351. Alarm sound: 120dB

352. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

353. Work Temperature: -4°F to 140°F(-20°C to +60°C)

354. Detection window: 6.7 FT (2.0 Meters)

355. The system is not getting expected transmission range.

356. If the system goes off continuously

357. The system is giving some false alarm.

358. Troubleshooting

359. Work Frequency: 433.92 MHz

360. Transmit Power: less than 10dBm

361. Alarm sound: 120dB

362. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

363. Work Temperature: -4°F to 140°F(-20°C to +60°C)

364. Detection window: 6.7 FT (2.0 Meters)

365. The system is not getting expected transmission range.

366. If the system goes off continuously

367. The system is giving some false alarm.

368. Troubleshooting

369. Work Frequency: 433.92 MHz

370. Transmit Power: less than 10dBm

371. Alarm sound: 120dB

372. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

373. Work Temperature: -4°F to 140°F(-20°C to +60°C)

374. Detection window: 6.7 FT (2.0 Meters)

375. The system is not getting expected transmission range.

376. If the system goes off continuously

377. The system is giving some false alarm.

378. Troubleshooting

379. Work Frequency: 433.92 MHz

380. Transmit Power: less than 10dBm

381. Alarm sound: 120dB

382. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

383. Work Temperature: -4°F to 140°F(-20°C to +60°C)

384. Detection window: 6.7 FT (2.0 Meters)

385. The system is not getting expected transmission range.

386. If the system goes off continuously

387. The system is giving some false alarm.

388. Troubleshooting

389. Work Frequency: 433.92 MHz

390. Transmit Power: less than 10dBm

391. Alarm sound: 120dB

392. Installation height: 6 - 7 FT (1.8 - 2.1 Meters)

393. Work Temperature: -4°F to 140°F(-20°C to +60°C)

394. Detection window: 6.7 FT (2.0 Meters)

395. The system is not getting expected transmission range.

396. If the system goes off continuously

397. The system is giving some false alarm.

398. Troubleshooting

399. Work Frequency: 433.92 MHz

400. Transmit Power: less than 10dBm

401. Alarm sound: 120dB